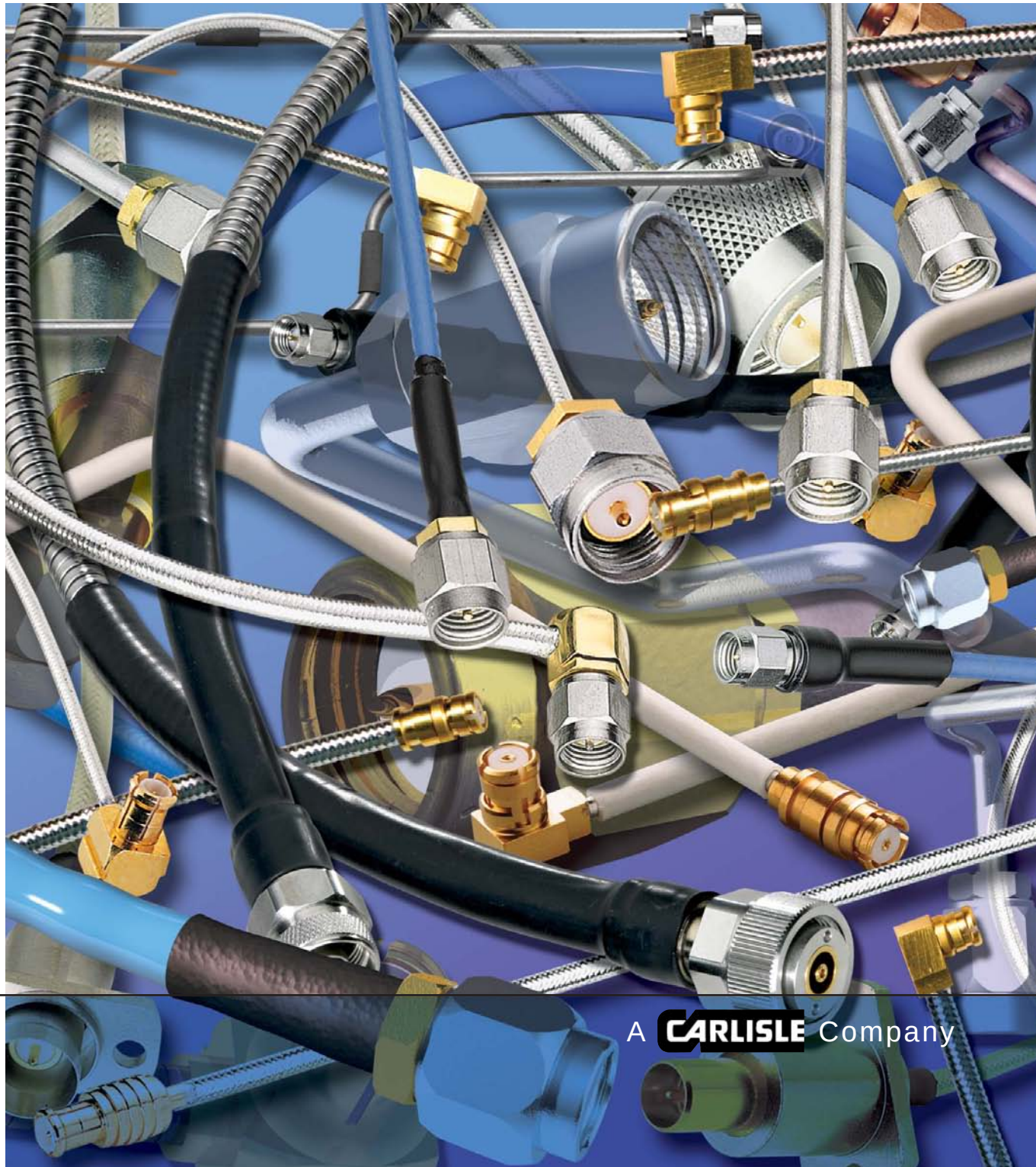
Standard RF/Microwave Cable Assemblies

Tensolite



A CARLISLE Company

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General Purpose RF/Microwave Cable Assemblies

Cable
Flexible (listed by diameter)
Assembly Cable Code

Cable
Semi-Rigid/Semi-Flex (listed by diameter)
Assembly Cable Code

Tensolite RF/Microwave Interconnects

Tensolite provides design support and innovative techniques with hands-on engineering to solve interconnect and cabling issues. We have located our RF/Microwave manufacturing, engineering, and sales offices around the world to provide fast, innovative solutions to our customers. We are committed to bringing technology and quality of high-performance cable and interconnects to today's competitive and evolving communication markets.

Tensolite's design staff provides valuable recommendations for both product improvements and innovative solutions to help meet customers electrical and mechanical specifications. We have satisfied a myriad of requirements for RF/Microwave interconnects from low VSWR phase-matched interconnects, to high volume bulk cable production orders. Our extensive engineering group continues to improve their reputation for meeting a wide range of product specifications in addition to keeping pace with technological advances. The products and services we provide are as diverse as the industry we serve.

Tensolite manufactures standard and custom specified RF/Microwave cable assemblies and connectors that operate from DC to 65 GHz. We manufacture and design semi-rigid, hand formable (Semi-Flex® series) and flexible cable assemblies. Tensolite benefits from a wide and diverse customer base in the telecommunications market. We also sell our RF/Microwave assemblies through worldwide distribution channels setting us apart from our competitors by offering "off the shelf" product that is deliverable within 24 hours from order placement.

Tensolite utilize automatic cable cutting and stripping machines that are designed by our engineers to meet the stringent manufacturing requirements that are imposed upon us by customers who expect precise phase matched cable assemblies. We also utilize automatic marking machines for the labels that are used on our cables.

Tensolite invites you to visit our RF/Microwave cable assembly and connector facilities in Long Beach, California and Vancouver, Washington. We are sure that when the opportunity arises you will find Tensolite RF/Microwave will be accommodating to each and every challenge that one can give us.

Complex Assemblies

With years of experience in building Complex Assemblies, Tensolite is continually improving our processes and productivity, enabling our customers to stay competitive in today's fast paced business world.

Combination D-Sub:

Offers a variety of applications for combining signal, high current, high voltage, and coaxial contacts.

- Variety of configurations
- Male and female
- Five different shell sizes
- Solder cup or crimp
- Yellow Zinc Chromate or Tin Plate
- Insulators are Glass Filled PBT UL94V-0
- Temperature range –55° to +105° C

Subminiature D-Subs:

Are used in industrial control systems, computers and telecommunications equipment of all kinds.

- Exceeds EMI/RFI FCC regulation 20780 Class A and B.
- Performs effectively with wide range of foil or braided shields.
- Comes in standard sizes, 9, 15, 25, 37, and 50 positions.
- Socket or Plug connectors come in Yellow Zinc or Tin-Plating.

Subminiature Cylindrical Connectors MIL-DTL-38999

Assemblies offer the highest performance capabilities for both general duty and severe environment applications.

- EMI Shielding
- Vibration / Shock
- Quick Coupling
- Corrosion Resistance

Tensolite has a wide variety...

of other complex assemblies.

- SCSI cable assemblies
- Circular Din assemblies
- Aerospace cable assemblies:
  - ARINC Interconnects
  - Ethernet
  - IEEE 1394
  - Copper Fibre Channel Aerospace assemblies.
  - USB

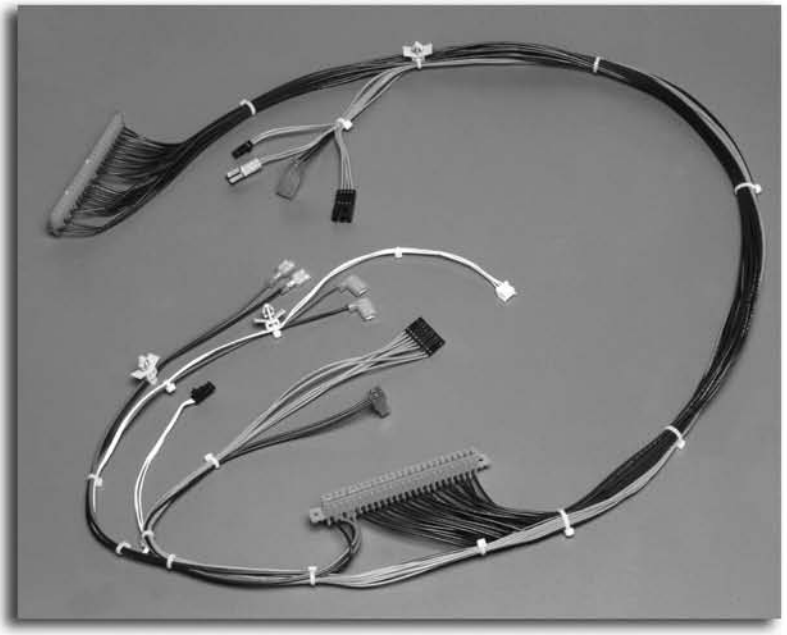
Cable Harnesses

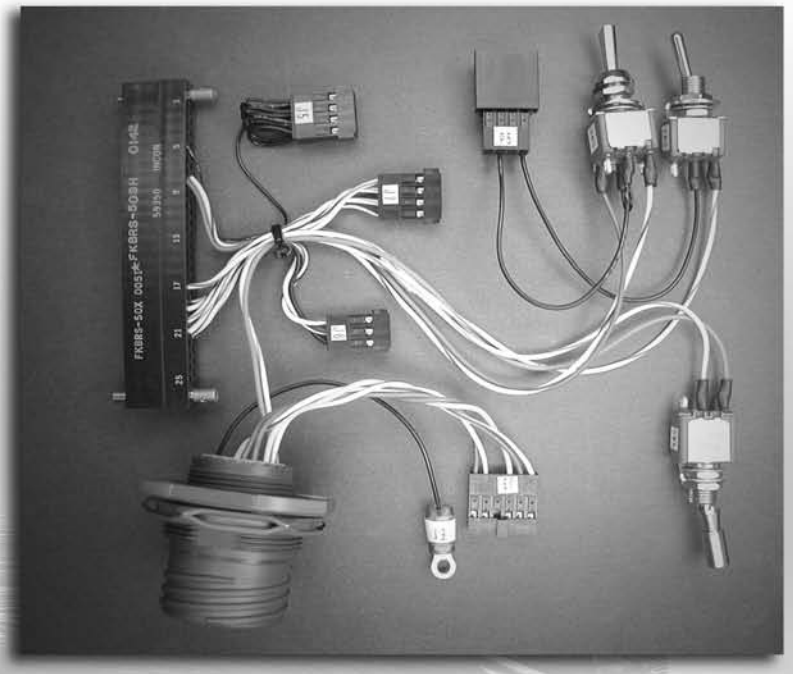
Cable harnesses come in all shapes and sizes, from 28 AWG hook-up wire to robust power carrying wire. There can be as many as several hundred contact points in a harness.

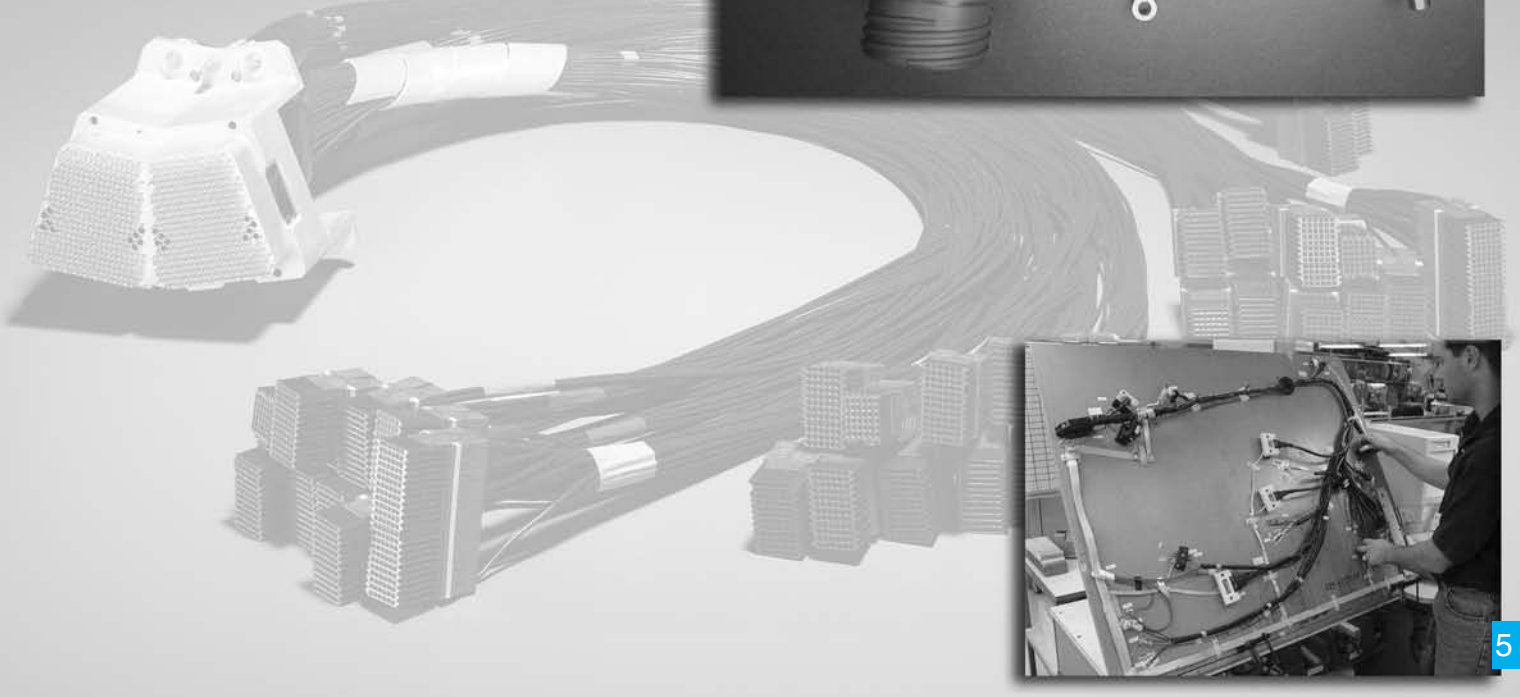
Products range from panel assemblies, power supplies, aftermarket automobile harnesses, to infrared camera harnesses. But whatever the size or complexity, we are always guided by our commitment to Quality and On-Time delivery.

- "Quick-Turn" Prototyping
- Engineering Design Capabilities
- Electrically tested on the build-board
- Combinations of single, multi-wire or coaxial cable
- UL Recognized/CSA Certified/ ISO 9002 Approved

With short manufacturing lead-times, and daily deliveries, we can minimize your inventory investment.



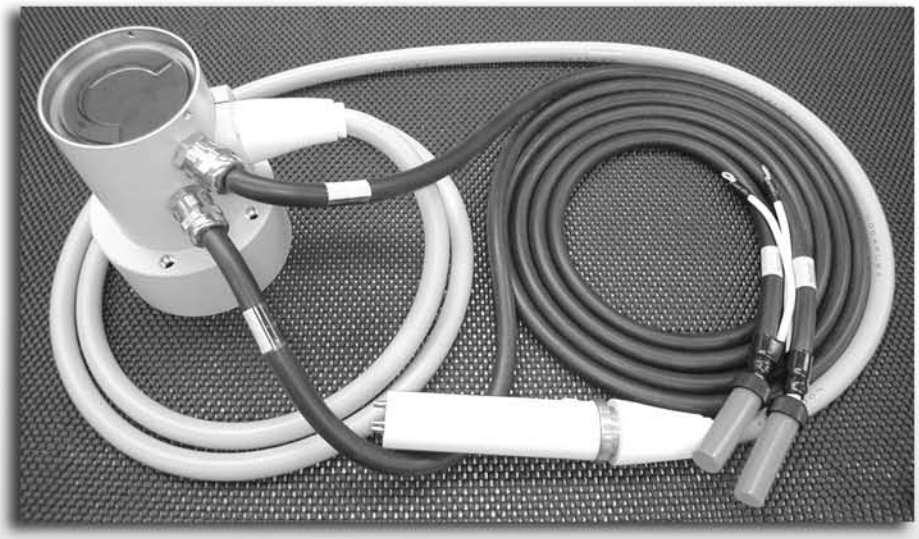




Electro-Mechanical

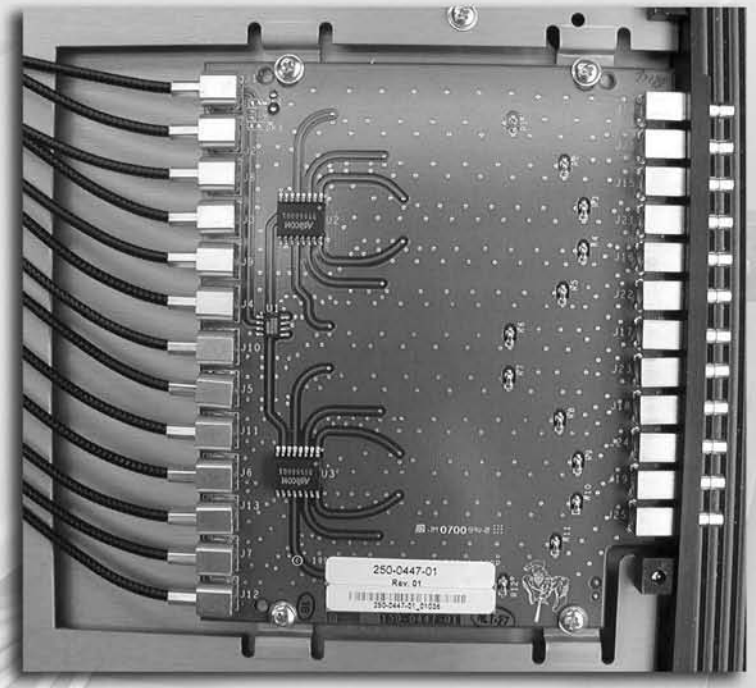
Tensolite, with decades of engineering and manufacturing experience, will procure all the subparts, build the custom cable to your specification, over-mold the connectors, assemble the module per your specifications and electrically test your product.

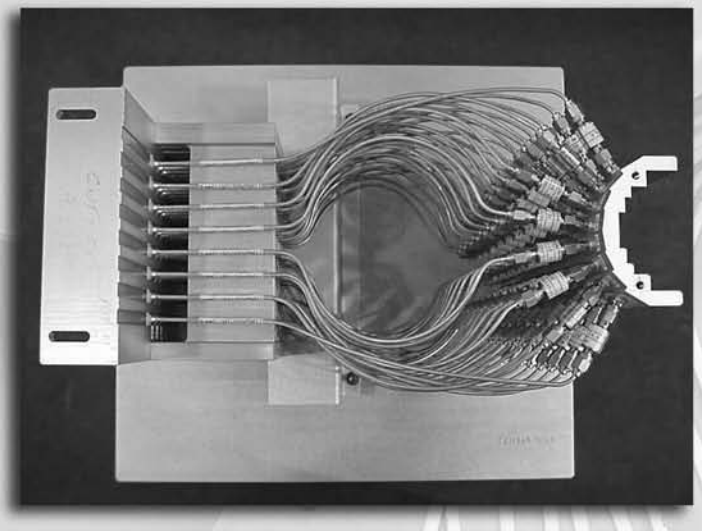
Many of our electro-mechanical products incorporate LED's, relays, breakers, toggle switches, RF filters, printed circuit boards, microcircuit connectors, and a variety of military circular connectors.



Capabilities:

- Over-molding
- Multistage Strip
- Automated cut, strip, crimp (Komax Gamma 333)
- Laser Cutting
- Induction Soldering
- Hot Bar Soldering
- Resistance Soldering
- Autosplice (soldering alternative)
- Ultrasonic Welding
- Video Inspection System
- Variety of Schleuniger Coaxial Cutting/Stripping equipment
- ESD environment





Electrical Testing

Tensolite builds quality into our products through our Lean Manufacturing processes. We test our products in-line as they are being built, assuring our customers that they are receiving high level, consistent quality everyday.

Our Quality Policy is simple and straight forward:

"Give our customers what they want, when they want it, 100% of the time."

Tensolite's philosophy is based on continuous improvement of our processes, contributing to the delivery of products and services to all of our customers.

General Purpose Electrical Testing:

Using Omni, Cirrus, and Checksum testing systems.

- Automatic self-learn of an assembly
- Loop-tests for intermittent failures
- Systems accommodate from 100 to 1,024 test points
- Insulation resistance testing up to 1,500VDC
- Test for opens and shorts
- Error logging in an exportable format
- AC Hipot, 1000V

RF/Microwave Testing:

Network analyzer capabilities to provide reflection and transmission measurements, and frequency range from 300 KHz to 65 GHz using our Vector, and Scalar Network Analyzers.

Reflection Measurements:

- VSWR
- Return Loss
- Reflection Coefficient

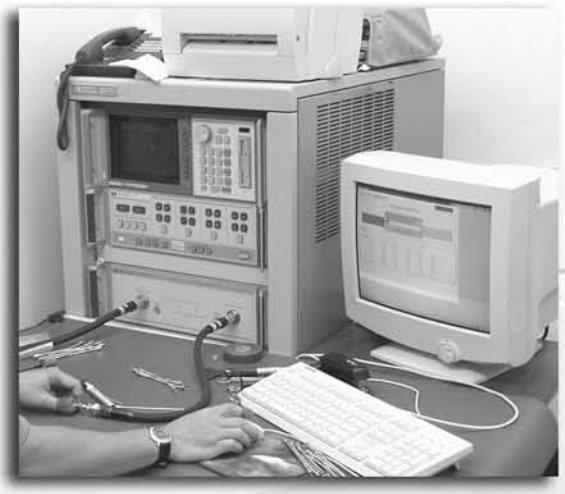
Impedance

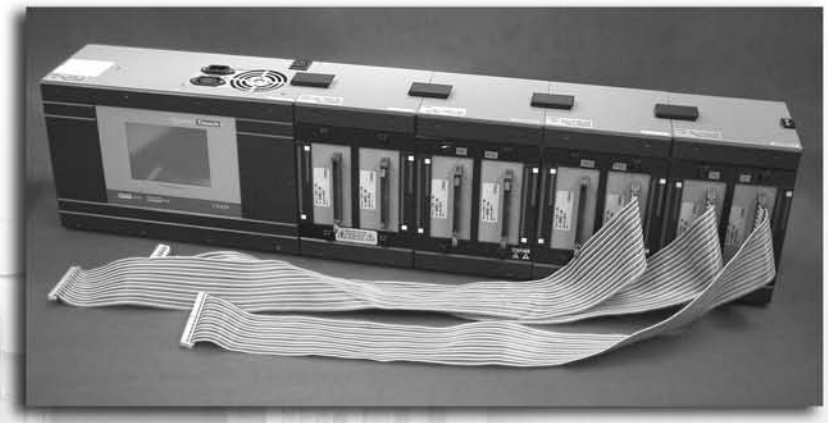
- Transmission Measurements
- Insertion Loss
- Electrical Delay Phase Deviations
- Isolation (crosstalk)

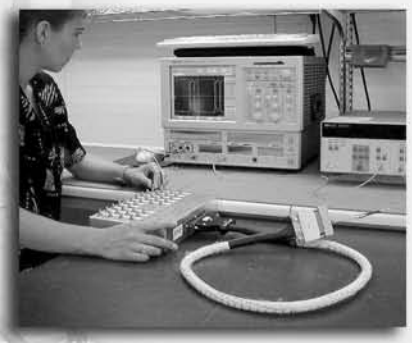
TDR & TDT Measurements:

Time Domain Reflectometry and Time Domain Transmission measurements used for analyzing loss lines.

- Rise time degeneration
- Signal integrity analysis
- TDR characterization of cable & high-speed digital communications.
- True differential TDR measurements of dual coaxial cable and assemblies.







RF/Microwave Flexible Cable Assemblies

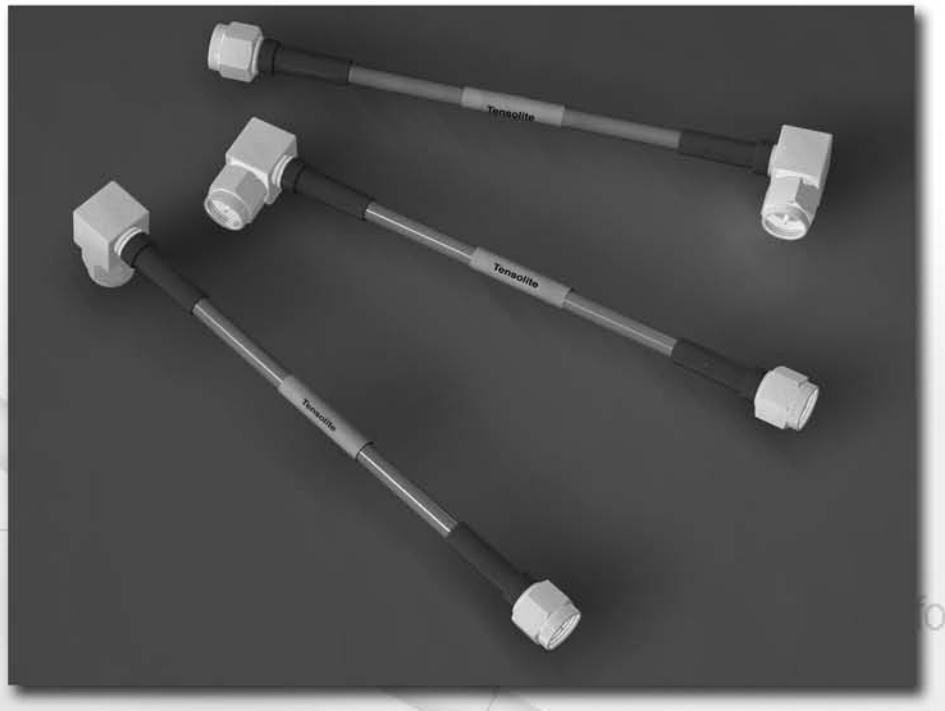
Tensolite's RF/Microwave flexible cable assemblies are designed with the goal of cost effectiveness while continuing to provide the quality and workmanship through "quick turn prototyping" and Lean Manufacturing Processes.

The flexible assemblies are available in a variety of custom flexible microwave coax and RG MIL-C-17 rated coaxial cables ranging in small diameter such as RG-178 to large diameter RG-214.

Tensolite uses our own line of high performance connectors, and commercially available crimp style, non-captive contact connectors. All finishes and dimensions are IAW MIL-C 39012, and attachment strain reliefs are achieved through the use of MIL-I-23053 shrink tubing.

Applications:

- O.E.M.
- Aftermarket replacement
- Within test equipment
- Between test equipment hook-up
- Commercial/Telecommunications
- Radar/control systems



Features:

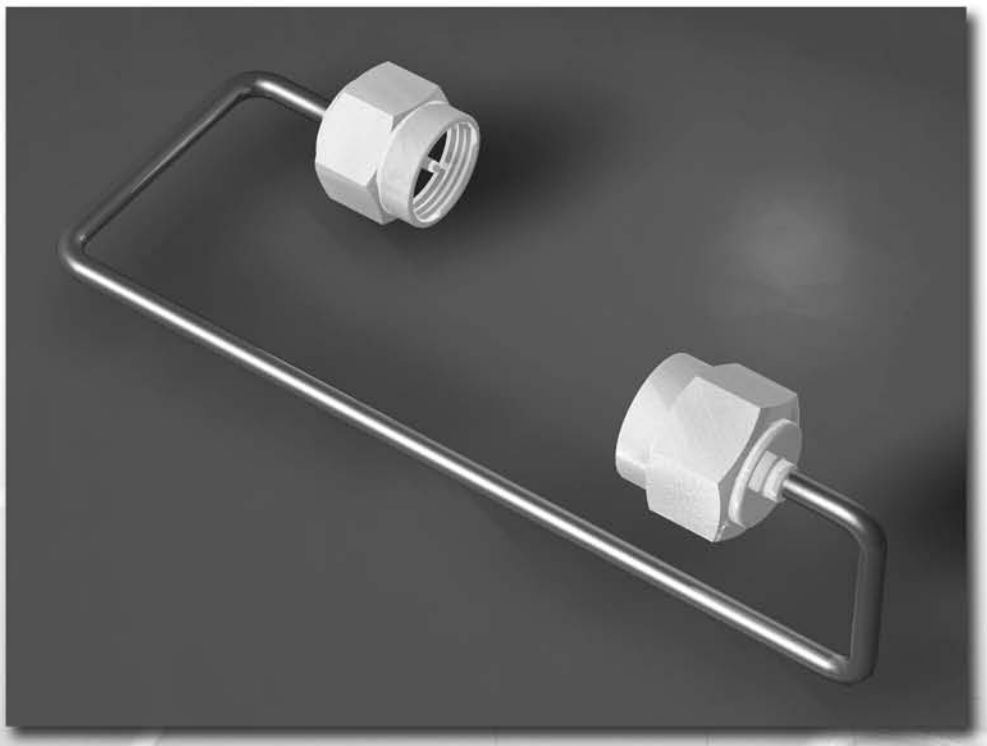
- Microwave frequency operation
- Highest quality commercial connectors
- Large selection
- Proven attachment methods
- On-time deliveries

Semi-Rigid Cable Assemblies

Tensolite's semi-rigid cable assemblies are among the highest quality assemblies available today. We custom build these cables to meet your specifications.

Tensolite uses only the highest quality MIL-spec semi-rigid cable ranging from .034" to .250" in diameter, and a wide variety of commercial, QPL, and custom connectors including Tensolite's own line of high performance connectors ranging from SMP's, SSMP's, SMA's, smK's, BMA's, TNC's and Type N's.

All soldering is done in a MIL-STD-2000 environment by certified assemblers. We maintain a MIL-I-45208A inspection system with the calibration, sampling procedures and documentation to meet your most demanding requirements.



Applications:

- Military or commercial O.E.M.
- Test equipment
- High shielding environments
- Low cost RF transmission needs

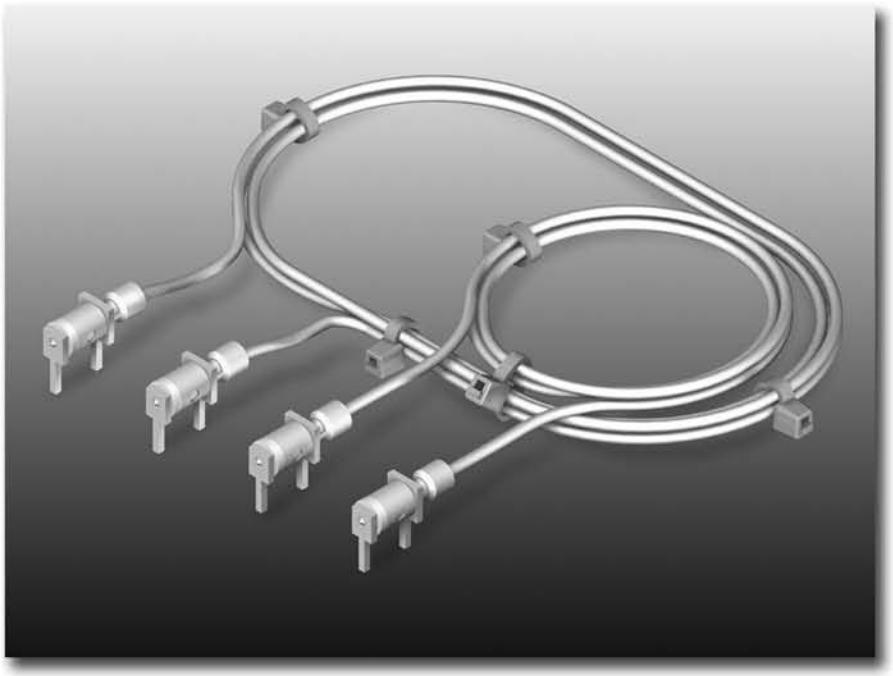
Features:

- Computerized forming equipment
- In-house test capability through 65 GHz
- Tight phase matching capability
- Custom marking
- Rapid delivery

Delay Lines

Passive coax delay lines are an excellent means for providing short delays in RF and Microwave systems. Our engineers will work with you to configure a delay line solution that meets your specific electrical and packaging requirements.

Tensolite uses the highest quality semi-rigid and Semi-Flex® cable in sizes ranging from .047" to .250" in diameter as well as a variety of flexible coax cables. A wide variety of terminations are available including stripped ends for direct PCB termination.

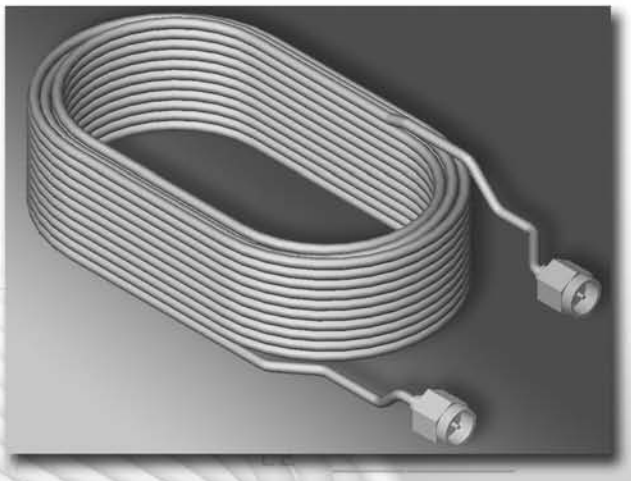


Applications

- Land mobile radio
- Test equipment
- Cellular base stations

Features:

- Delay and skew tolerances to less than 15 ps
- Excellent phase stability
- Multiple delays in one package
- Low loss and VSWR



FOR ADDITIONAL CATALOGS
CALL "THE CATALOG REQUEST LINE"
1-800-362-3539

CALL 1-800-362-FLEX
FOR ADDITIONAL INFORMATION

CHECK OUT TENSOLITE'S WEB SITE:
www.tensolite.com

EMAIL US AT rfmicrowave@tensolite.com

FAX: 360-759-4016

How to Order:

Designate the desired assembly by choosing from the available cables and connectors from the matrix to the far right. Insert the codes at the appropriate location as noted in the example. **Connector codes should be listed in increasing numerical sequence.**

Contact Tensolite for cables and connectors not shown.

ABBREVIATIONS

FEP . . . .**Fluorinated ethylene propylene**
PUR . . . . . .**Polyurethane**

5 **ALL OTHER ASSEMBLIES**

X-XXXX-XXX-X X XX

- Length
  - **Specify**
  - "0" No microwave test req. (Typical assemblies 1GHz) or less
  - "1" Reduced frequency microwave test requirement (Typically less than standard frequency of the cable and/or connectors used).
  - "2" Standard frequency microwave test requirement for the cable and/or connectors used).
  - "3" Extended frequency microwave test requirement for the cable and/or connectors used)
- Tensolite Cable Code
- 2nd connector code
- 1st connector Code
- "1" if length is measured in inches
  "2" if length is measured in feet, (used if over 99")
  - **Specify**
  - "1" Specific customer requirement when no customer drawing specification is available
  - "3" Standard product
  - "4" Standard product with at least one captive interface
  - "5" Standard product with at least one SMA Anti-Torque plug.
  - "P" Standard delay matching to ± 4.2 Pico Seconds

Application Feature	*Static Ground*	*Laboratory*	*Mobil Ground*	*Flight Hardware*
1 Fixed	461,463,465, 561, 563, 565, 794, 604,600,601, 606, 620, 621, 650, 651, 617,618, 678	461,463,465, 561, 563, 565, 794, 604,600, 601, 606, 620, 621, 650, 651, 617,618, 678	461,463,465, 561, 563, 565, 794, 604,600, 601, 606, 620, 621, 650, 651, 617,618, 678	461,463, 604,600, 601, 606, 620, 621, 650, 651, 617,618, 678
Multiple flexures	676, 602, 504,524,511,510, 521,301	676, 602, 504,524,511,510, 521,301	676, 602, 504,524,511,510, 521,301	676, 602, 504,524,511,510, 521,301
Multiple connections	"Workhorse"	"Workhorse"	"Workhorse"	N/A

2 **Expected lifetime connect/disconnect cycles**

Recommended Assembly Type

676/678	604, 606, 650, 651	465, 561, 563, 565, 794	524	"Workhorse"
5	25	50	500	5000

All cable assemblies are labeled and 100% inspected to Tensolite's rigorous quality standards. Each item is tested for continuity, dielectric withstanding voltage and insulation resistance. The product is individually unit packaged and tagged for maximum protection and ease of identification. Phase matching within ±1.5° per GHz is available as a standard option on most cable assemblies.

3

Tensolite Cable Code	*Description*	*Cable Diameter*	*Frequency Range*	*Jacket Material*
461	Q-Flex®	.105	18 & 26.5	FEP
463	Q-Flex®	.163	18 & 26.5	FEP
465	Q-Flex®	.270	18	FEP
561	Q-Flex Plus®	.115	18 & 26.5	PUR
563	Q-Flex Plus®	.180	18 & 26.5	PUR
565	Q-Flex Plus®	.290	18	PUR
794	Q-Flex®	.105	40	FEP
604	Semi-Flex®	.047	18, 26.5 & 40	Tinned filled high strength wire braid
600	Semi-Flex®	.086	18, 26.5 & 40	Tinned filled high strength wire braid
601	Semi-Flex®	.141	18, 26.5 & 40	Tinned filled high strength wire braid
606	Semi-Flex®	.250	18	Tinned filled high strength wire braid
620	Semi-Flex® plus	.112	18, 26.5 & 40	PUR
621	Semi-Flex® plus	.180	18 & 26.5	PUR
650	Semi-Flex® plus HT	.100	18, 26.5 & 40	FEP
651	Semi-Flex® plus HT	.151	18 & 26.5	FEP
617	Semi-Flex II®	.086	20 & 40	Aluminum
618	Semi-Flex II®	.141	20 & 26.5	Aluminum
678	Semi-Rigid	.086	20 & 40	Copper
676	Semi-Rigid	.141	20 & 26.5	Copper
602	Semi-Rigid Low Loss	.141	20 & 26.5	Copper
504	Workhorse®	.200	18 & 26.5	FEP
524	Workhorse Plus®	.217	18	PUR
511	Ultra Flex	.123	8	PUR
510	Super Flex	.216	8	PUR
521	75 Ohm Super Flex	.216	3	PUR
301	Flexible Low Loss	.200	18	FEP

4 **CONNECTOR CODES**

SERIES	BNC	TNC	TYPE N	SMA	SSMA	SMB	SMC	MCX	smK	SMP	SSMP	BMA	1.85 mm	2.4 mm	3.5 mm	7 mm
Max Frequency in GHz	4	18	18	26.5	38	4	10	6	40	40	60	22	60	50	33	18
CONFIGURATION																
Plug	24	30	18	36	54	42	48	M6	K6	G6	R6	R1	V6	87	72	78
Right Angle Plug	25	31	19	37	55	43	49	M7	K7	G7	R7	N/A	V7	88	73	N/A
Jack	26	32	20	38	56	44	50	M8	K8	G8	R8	R2	V8	89	74	N/A
Panel Jack	27	33	21	39	57	45	51	M9	K9	G9	R9	R4	V9	90	75	N/A
Bulkhead Jack	28	34	22	40	58	46	52	M0	K0	N/A	N/A	R3	N/A	91	76	N/A

HOW TO USE THIS GUIDE

1. *Choose best description of your application*
2. *Choose the lifetime connect/disconnect cycle*
3. *Choose your cable*
4. *Choose your connectors*
5. *Build your part number*
6. *Call Tensolite*

800-362-FLEX

Tensolite

A CARLISLE Company

QUOTATION FORM

Today's date: _____

Directions: Photocopy this form. Fill in blanks, circle correct answers, or check boxes where appropriate, fax to Tensolite 360-759-4016 or visit WWW.TENSOLITE.COM

Mechanical:

_____ in/ft. long. *(Length is specified to reference plane of straight connectors and/or center line of right angles)*

Connector #1	Connector #2	
_____	_____	Series: (SMA, Type N, BNC, SMP, etc.)
_____	_____	Center contact: (male or female)
_____	_____	Config.: (straight, right angle, panel mount, etc.)
_____	_____	Captive or Non-Captive center contact?

Cable type: _____ (if unknown fill in at least next 2 lines & electrical info below)

Flexible ❑ Semi-Flex® ❑ Semi-rigid ❑ Max outside dia: _____ Min inside bend radius: _____

Temp. range: _____ to _____ ❑ Room temp. ❑ Fixed during use ❑ Flexed during use.

# of markers: _____ ❑ Requires Armor ❑ Requires abrasion resistance only

❑ Requires non-magnetic materials ❑ Requires non-conductive cable jacket

Other: _____

Electrical Performance:

Frequency range: _____ to _____ MHz (or) GHz _____ to 1.0 max VSWR _____ db max loss

Isolation: _____ db@ _____ MHx (or) GHz Phase: _____ (delay)

Phase defined as: A. matched to a std B. _____ deg @ MHz (or) GHz C. _____ cm of air D. _____ ns

Other: _____

Application:

Quantity and Delivery Requirements

❑ Commercial ❑ Military ❑ Test equipment ❑ Ground based ❑ Airborne ❑ Shipboard ❑ Computer/Telecommunication

Name: _____ Title/Job: _____

Company: _____ Mail Stop: _____

Address: _____ City: _____ State: _____ Zip: _____

Tel: _____ Fax: _____ Email: _____ Need quote by: _____

QBC™ SERIES

(Quality Blind Mate Connector Assemblies)

QBC (Quality Blind Mate Connector)

The Tensolite QBC™ Series is a uniquely designed blind mate interface system, which mates with Industry Standard Female SMA, SMB, SMC, Type N, Type F, BNC and TNC Connectors. Tensolite's QBC™ Series enables an overall lower-cost and "ease-of-use" solution for your Blind Mate applications. The QBC™ system provides a minimum of .025 radial misalignments and .060 axial displacements. Achieving multiple and repeatable error-free engagements, while maintaining low insertion loss and VSWR. The Tensolite QBC™ Series offers two mounting styles and is available in 50 and 75-ohm interfaces.

APPLICATIONS

Tensolite's QBC™ series is ideal for use in both end product and production test applications.

Tested Interconnect Frequencies:

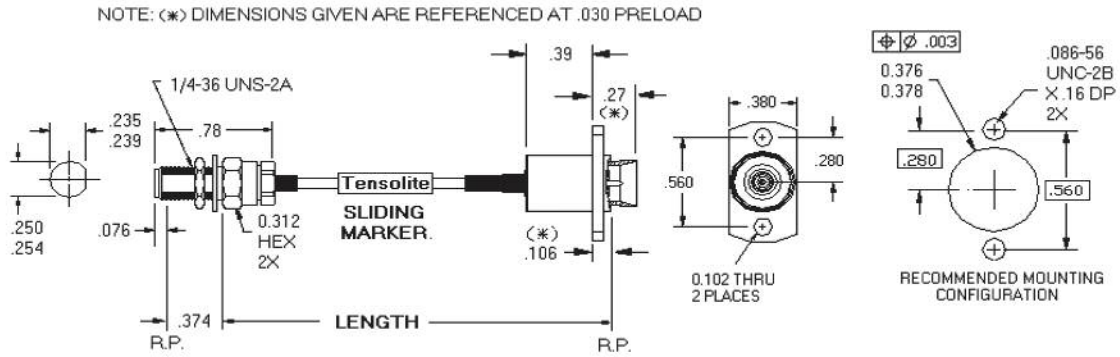
QBC-SMA	@ 18GHz	QBC-SMB	@ 4GHz
QBC-SMC	@ 10GHz	QBC-Type N	@ 12GHz
QBC-Type F	@ 3GHz	QBC-BNC	@ 4GHz
QBC-TNC	@ 12GHz		

FEATURES

- Simultaneous multiple engagements, NO PRACTICAL LIMITS.
- Mates with standard MIL-STD-348A interfaces.
- Extended radial capture -SURPASSES INDUSTRY STANDARD.
- Ideal for Rack Blind Mate & Hot Swapable Applications
- Deployed on Backplanes, PCB & Micro Circuit Testers
- Eliminates mis-wires & reduces ergonomic issues.

TENSOLITE CABLE ASSEMBLY

SMA FEMALE BULKHEAD TO QBC SMA PLUG ON 561 Q-FLEX PLUS CABLE



ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
RELATIVE SHIELDING:				> -90	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				928	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	34	24	16	13	9	7

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.120	INCHES
MIN. BEND RADIUS:	0.71	INCHES
PREFERRED BEND RADIUS:	1.19	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
FORCE TO ENGAGE QBC:	3	POUNDS NOM.
SMA MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	

Patented: US Patent Number 5,746,617 and others.

FEATURES
: RADIAL FLOAT +/-.025 MAX.
: LONGITUDINAL FLOAT +.030 MIN AFTER MATING.
: MATES WITH STANDARD SMA FEMALE
: AVAILABLE ONLY ON TENSOLITE CABLE ASSEMBLIES.
: SERVICE LOOP REQUIRED FOR INSTALLATION
: 8 INCH MINIMUM LENGTH
: CONSULT FACTORY FOR ADDITIONAL LENGTHS

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053	GRAY
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
QBC SHELL:	ASTM B16 BRASS	MIL-G-45204 GOLD PLATED
QBC HOUSING:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1710 PTFE	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
1-4063-561- 3208	S	8.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	1.35	0.25	0.37	0.57	0.75	1.23	1.70	20.3
1-4063-561- 3210	S	10.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	1.35	0.29	0.44	0.69	0.91	1.50	2.07	25.4
1-4063-561- 3212	S	12.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30	1.35	0.34	0.51	0.81	1.07	1.77	2.44	30.5
1-4063-561- 3218	S	18.0	0.25	0.6	1.13	1.17	1.21	1.23	1.30	1.35	0.48	0.73	1.17	1.55	2.58	3.56	45.7
1-4063-561- 3224	S	24.0	0.25	0.7	1.13	1.17	1.21	1.23	1.30	1.35	0.62	0.95	1.52	2.02	3.39	4.68	61.0
1-4063-561- 3230	S	30.0	0.30	0.8	1.13	1.17	1.21	1.23	1.30	1.35	0.76	1.17	1.88	2.50	4.20	5.80	76.2
1-4063-561- 3236	S	36.0	0.36	0.9	1.13	1.17	1.21	1.23	1.30	1.35	0.90	1.39	2.23	2.98	5.00	6.92	91.4
1-4063-561- 3248	S	48.0	0.48	1.2	1.13	1.17	1.21	1.23	1.30	1.35	1.18	1.83	2.94	3.93	6.62	9.15	121.9
1-4063-561- 3260	S	60.0	0.60	1.4	1.13	1.17	1.21	1.23	1.30	1.35	1.46	2.27	3.66	4.89	8.24	11.39	152.4
1-4063-561- 3272	S	72.0	0.72	1.7	1.13	1.17	1.21	1.23	1.30	1.35	1.74	2.71	4.37	5.84	9.86	13.62	182.9
1-4063-561- 3284	S	84.0	0.84	1.9	1.13	1.17	1.21	1.23	1.30	1.35	2.02	3.15	5.08	6.79	11.47	15.86	213.4
S = STANDARD LENGTHS					MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.												
NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.																	
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.																	

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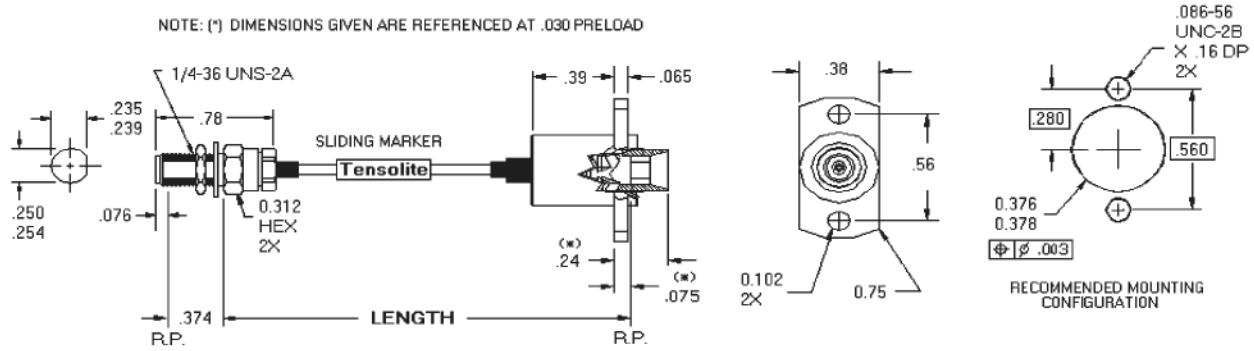
TENSOLITE CABLE ASSEMBLY

SMA FEMALE BULKHEAD TO QBC SMB PLUG ON 561 Q-FLEX PLUS CABLE



ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
RELATIVE SHIELDING:				> -90	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				928	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	0.5	1	2	4		
MAX. CW WATTS --->	54	38	26	18		

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.120	INCHES
MIN. BEND RADIUS:	0.71	INCHES
PREFERRED BEND RADIUS:	1.19	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
FORCE TO ENGAGE QBC:	3	POUNDS NOM.
SMA MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	

Patented: US Patent Number 5,746,617 and others.

FEATURES
: RADIAL FLOAT +/-.025 MAX.
: LONGITUDINAL FLOAT +.030 MIN AFTER MATING.
: MATES WITH STANDARD SMB JACK
: AVAILABLE ONLY ON TENSOLITE CABLE ASSEMBLIES.
: SERVICE LOOP REQUIRED FOR INSTALLATION
: 8 INCH MINIMUM LENGTH
: CONSULT FACTORY FOR ADDITIONAL LENGTHS

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053	GRAY
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
QBC SHELL:	ASTM B16 BRASS	MIL-G-45204 GOLD PLATED
QBC HOUSING:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1710 PTFE	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.) UP TO .5	.5 TO 1	1 TO 2	2 TO 4			MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.) UP TO .5	.5 TO 1	1 TO 2	2 TO 4			LENGTH CM
1-40B1-561- 3208	S	8.0	0.25	0.4	1.13	1.17	1.21	1.23			0.18	0.26	0.39	0.59			20.3
1-40B1-561- 3210	S	10.0	0.25	0.4	1.13	1.17	1.21	1.23			0.21	0.30	0.46	0.71			25.4
1-40B1-561- 3212	S	12.0	0.25	0.5	1.13	1.17	1.21	1.23			0.24	0.35	0.54	0.83			30.5
1-40B1-561- 3218	S	18.0	0.25	0.6	1.13	1.17	1.21	1.23			0.33	0.49	0.76	1.19			45.7
1-40B1-561- 3224	S	24.0	0.25	0.7	1.13	1.17	1.21	1.23			0.42	0.63	0.98	1.54			61.0
1-40B1-561- 3230	S	30.0	0.30	0.8	1.13	1.17	1.21	1.23			0.51	0.77	1.20	1.90			76.2
1-40B1-561- 3236	S	36.0	0.36	0.9	1.13	1.17	1.21	1.23			0.60	0.91	1.42	2.25			91.4
1-40B1-561- 3248	S	48.0	0.48	1.2	1.13	1.17	1.21	1.23			0.79	1.19	1.86	2.96			121.9
1-40B1-561- 3260	S	60.0	0.60	1.4	1.13	1.17	1.21	1.23			0.97	1.47	2.30	3.68			152.4
1-40B1-561- 3272	S	72.0	0.72	1.7	1.13	1.17	1.21	1.23			1.15	1.75	2.74	4.39			182.9
1-40B1-561- 3284	S	84.0	0.84	1.9	1.13	1.17	1.21	1.23			1.33	2.03	3.18	5.10			213.4

S = STANDARD LENGTHS

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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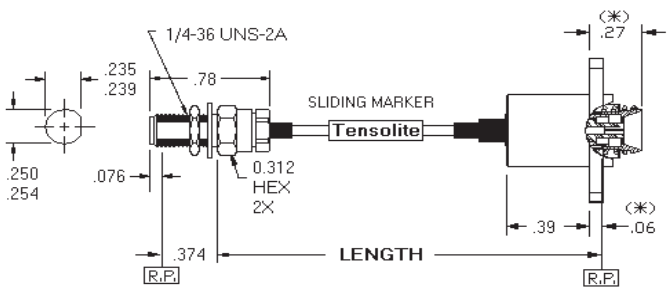
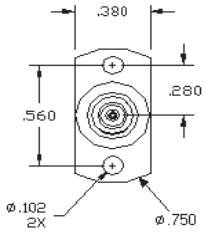
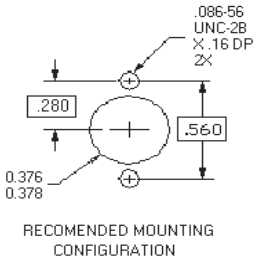
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

SMA FEMALE BULKHEAD TO QBC SMC PLUG ON 561 Q-FLEX® PLUS CABLE.

NOTE: (✳) DIMENSIONS GIVEN ARE REFERENCED AT .030 PRELOAD







ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:					50	OHMS
CAPACITANCE NOMINAL:					28.8	pf/FOOT
RELATIVE SHIELDING:					> -90	db MIN. (1 FT)
VELOCITY OF PROPAGATION, NOMINAL:					70.5	%
INSULATION RESISTANCE:					1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:					1000	VRMS MIN.
ELECTRICAL DELAY:					1.44	ns/FOOT
ELECTRICAL DELAY:					120	ps/INCH
MAX. PULSE RF POWER:					928	WATTS
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	10	
MAX. CW WATTS --->	34	24	16	13	10	

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.120	INCHES
MIN. BEND RADIUS:	0.71	INCHES
PREFERRED BEND RADIUS:	1.19	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
FORCE TO ENGAGE QBC:	3	POUNDS NOM.
SMA MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	

Patented: US Patent Number 5,746,617 and others.

FEATURES
: RADIAL FLOAT +/-.025 MAX.
: LONGITUDINAL FLOAT +.030 MIN AFTER MATING.
: MATES WITH STANDARD SMC JACK
: AVAILABLE ONLY ON TENSOLITE CABLE ASSEMBLIES.
: SERVICE LOOP REQUIRED FOR INSTALLATION
: 8 INCH MINIMUM LENGTH
: CONSULT FACTORY FOR ADDITIONAL LENGTHS

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053	GRAY
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
QBC SHELL:	ASTM B16 BRASS	MIL-G-45204 GOLD PLATED
QBC HOUSING:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1710 PTFE	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO .5	.5 TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 10	UP TO .5	.5 TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 10	
1-40J0-561- 3208	S	8.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	1.35	0.18	0.26	0.39	0.59	0.78	1.14	20.3
1-40J0-561- 3212	S	12.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30	1.35	0.24	0.35	0.54	0.83	1.10	1.61	30.5
1-40J0-561- 3218	S	18.0	0.25	0.6	1.13	1.17	1.21	1.23	1.30	1.35	0.33	0.49	0.76	1.19	1.58	2.31	45.7
1-40J0-561- 3224	S	24.0	0.25	0.7	1.13	1.17	1.21	1.23	1.30	1.35	0.42	0.63	0.98	1.54	2.06	3.01	61.0
1-40J0-561- 3230	S	30.0	0.30	0.8	1.13	1.17	1.21	1.23	1.30	1.35	0.51	0.77	1.20	1.90	2.53	3.72	76.2
1-40J0-561- 3236	S	36.0	0.36	0.9	1.13	1.17	1.21	1.23	1.30	1.35	0.60	0.91	1.42	2.25	3.01	4.42	91.4
1-40J0-561- 3248	S	48.0	0.48	1.2	1.13	1.17	1.21	1.23	1.30	1.35	0.79	1.19	1.86	2.96	3.97	5.82	121.9
1-40J0-561- 3260	S	60.0	0.60	1.4	1.13	1.17	1.21	1.23	1.30	1.35	0.97	1.47	2.30	3.68	4.92	7.22	152.4
1-40J0-561- 3272	S	72.0	0.72	1.7	1.13	1.17	1.21	1.23	1.30	1.35	1.15	1.75	2.74	4.39	5.87	8.63	182.9
1-40J0-561- 3284	S	84.0	0.84	1.9	1.13	1.17	1.21	1.23	1.30	1.35	1.33	2.03	3.18	5.10	6.83	10.03	213.4

S = STANDARD LENGTHS — MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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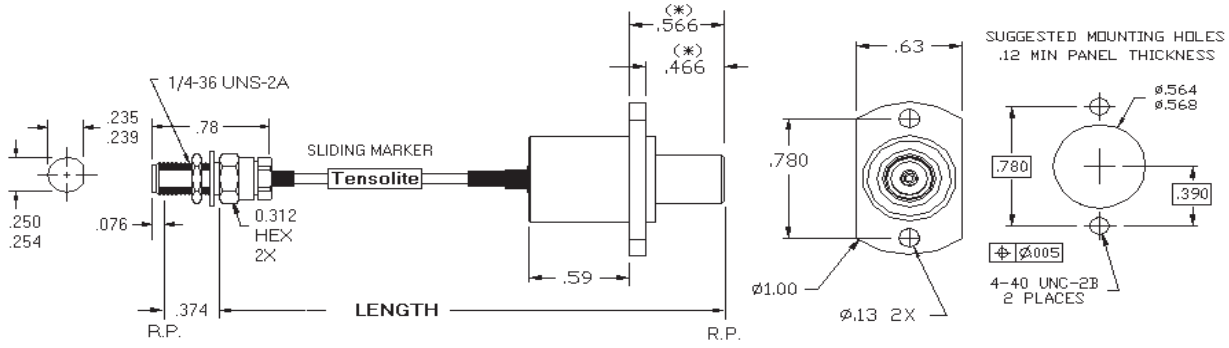
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

SMA FEMALE BULKHEAD TO QBC N PLUG ON 561 Q-FLEX® PLUS CABLE.

NOTE : (*) DIMENSIONS GIVEN ARE REFERENCED AT .030 PRELOAD.



ELECTRICAL SPECIFICATIONS							
IMPEDANCE, NOMINAL:				50	OHMS		
CAPACITANCE NOMINAL:				28.8	pf/FOOT		
RELATIVE SHIELDING:				> -90	db MIN. (1 FT)		
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%		
INSULATION RESISTANCE:				1000	MEGOHMS MIN.		
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.		
ELECTRICAL DELAY:				1.44	ns/FOOT		
ELECTRICAL DELAY:				120	ps/INCH		
MAX. PULSE RF POWER:				928	WATTS		
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)							
F (IN GHz) ---------->	1	2	4	6	12		
MAX. CW WATTS --->	34	24	16	13	9		

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.120	INCHES
MIN. BEND RADIUS:	0.71	INCHES
PREFERRED BEND RADIUS:	1.19	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
FORCE TO ENGAGE QBC:	3	POUNDS NOM.
SMA MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	

Patented: US Patent Number 5,746,617 and others.

FEATURES
: RADIAL FLOAT +/-.025 MAX.
: LONGITUDINAL FLOAT +.030 MIN AFTER MATING.
: MATES WITH STANDARD N FEMALE
: AVAILABLE ONLY ON TENSOLITE CABLE ASSEMBLIES.
: SERVICE LOOP REQUIRED FOR INSTALLATION
: 8 INCH MINIMUM LENGTH
: CONSULT FACTORY FOR ADDITIONAL LENGTHS

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053	GRAY
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
QBC SHELL:	ASTM B16 BRASS	MIL-G-45204 GOLD PLATED
QBC HOUSING:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1710 PTFE	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4		UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4		
1-40E1-561- 3208	S	8.0	0.25	0.4	1.13	1.17	1.23	1.28	1.35		0.27	0.39	0.61	0.80	1.33		20.3
1-40E1-561- 3212	S	12.0	0.25	0.5	1.13	1.17	1.23	1.28	1.35		0.36	0.54	0.85	1.12	1.89		30.5
1-40E1-561- 3218	S	18.0	0.25	0.6	1.13	1.17	1.23	1.28	1.35		0.50	0.76	1.21	1.59	2.71		45.7
1-40E1-561- 3224	S	24.0	0.25	0.7	1.13	1.17	1.23	1.28	1.35		0.64	0.98	1.56	2.07	3.54		61.0
1-40E1-561- 3230	S	30.0	0.30	0.8	1.13	1.17	1.23	1.28	1.35		0.78	1.20	1.92	2.55	4.37		76.2
1-40E1-561- 3236	S	36.0	0.36	0.9	1.13	1.17	1.23	1.28	1.35		0.92	1.42	2.27	3.03	5.20		91.4
1-40E1-561- 3248	S	48.0	0.48	1.2	1.13	1.17	1.23	1.28	1.35		1.20	1.86	2.98	3.98	6.86		121.9
1-40E1-561- 3260	S	60.0	0.60	1.4	1.13	1.17	1.23	1.28	1.35		1.48	2.30	3.70	4.93	8.52		152.4
1-40E1-561- 3272	S	72.0	0.72	1.7	1.13	1.17	1.23	1.28	1.35		1.76	2.74	4.41	5.89	10.18		182.9
1-40E1-561- 3284	S	84.0	0.84	1.9	1.13	1.17	1.23	1.28	1.35		2.04	3.18	5.12	6.84	11.84		213.4
S = STANDARD LENGTHS					MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.												
NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.																	
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.																	

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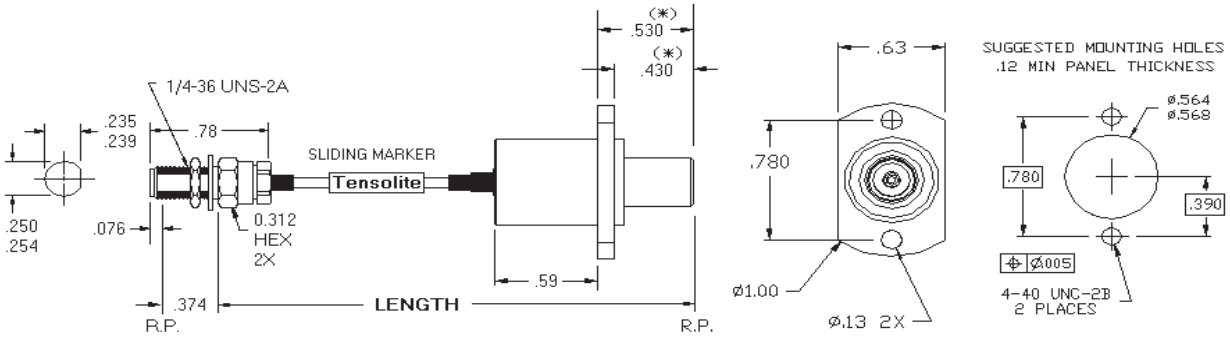
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

SMA FEMALE BULKHEAD TO QBC BNC / TNC PLUG ON 561 Q-FLEX® PLUS CABLE.

NOTE : (*) DIMENSIONS GIVEN ARE REFERENCED AT .030 PRELOAD.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
RELATIVE SHIELDING:				> -90	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				928	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	
MAX. CW WATTS --->	34	24	16	13	9	

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.120	INCHES
MIN. BEND RADIUS:	0.71	INCHES
PREFERRED BEND RADIUS:	1.19	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
FORCE TO ENGAGE QBC:	3	POUNDS NOM.
SMA MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	

Patented: US Patent Number 5,746,617 and others.

FEATURES
: RADIAL FLOAT +/-.025 MAX.
: LONGITUDINAL FLOAT +.030 MIN AFTER MATING.
: MATES WITH STANDARD N FEMALE
: AVAILABLE ONLY ON TENSOLITE CABLE ASSEMBLIES.
: SERVICE LOOP REQUIRED FOR INSTALLATION
: 8 INCH MINIMUM LENGTH
: CONSULT FACTORY FOR ADDITIONAL LENGTHS
: NOTE; STANDARD FREQUENCY FOR A BNC IS 4 GHZ

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053	GRAY
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
QBC SHELL:	ASTM B16 BRASS	MIL-G-45204 GOLD PLATED
QBC HOUSING:	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1710 PTFE	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4		UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4		
1-40F1-561- 3208	S	8.0	0.25	0.4	1.13	1.17	1.23	1.28	1.35		0.27	0.39	0.61	0.80	1.33		20.3
1-40F1-561- 3212	S	12.0	0.25	0.5	1.13	1.17	1.23	1.28	1.35		0.36	0.54	0.85	1.12	1.89		30.5
1-40F1-561- 3218	S	18.0	0.25	0.6	1.13	1.17	1.23	1.28	1.35		0.50	0.76	1.21	1.59	2.71		45.7
1-40F1-561- 3224	S	24.0	0.25	0.7	1.13	1.17	1.23	1.28	1.35		0.64	0.98	1.56	2.07	3.54		61.0
1-40F1-561- 3230	S	30.0	0.30	0.8	1.13	1.17	1.23	1.28	1.35		0.78	1.20	1.92	2.55	4.37		76.2
1-40F1-561- 3236	S	36.0	0.36	0.9	1.13	1.17	1.23	1.28	1.35		0.92	1.42	2.27	3.03	5.20		91.4
1-40F1-561- 3248	S	48.0	0.48	1.2	1.13	1.17	1.23	1.28	1.35		1.20	1.86	2.98	3.98	6.86		121.9
1-40F1-561- 3260	S	60.0	0.60	1.4	1.13	1.17	1.23	1.28	1.35		1.48	2.30	3.70	4.93	8.52		152.4
1-40F1-561- 3272	S	72.0	0.72	1.7	1.13	1.17	1.23	1.28	1.35		1.76	2.74	4.41	5.89	10.18		182.9
1-40F1-561- 3284	S	84.0	0.84	1.9	1.13	1.17	1.23	1.28	1.35		2.04	3.18	5.12	6.84	11.84		213.4

S = STANDARD LENGTHS — MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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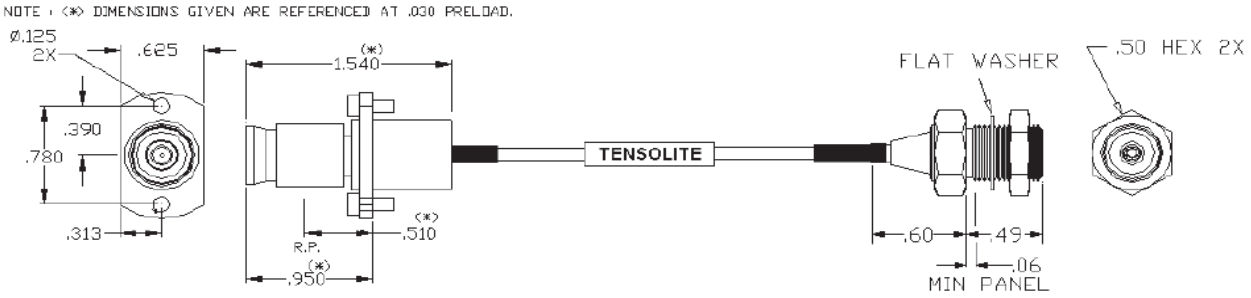
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

75 OHM QBC F MALE TO TYPE F B'HD ON 837 Q-FLEX® PLUS CABLE.



Patented: US Patent Number 5,746,617 and others.

FEATURES
: RADIAL FLOAT +/-.025 MAX.
: LONGITUDINAL FLOAT +.030 MIN AFTER MATING.
: MATES WITH STANDARD F FEMALE
: AVAILABLE ONLY ON TENSOLITE CABLE ASSEMBLIES.
: SERVICE LOOP REQUIRED FOR INSTALLATION
: 8 INCH MINIMUM LENGTH
: CONSULT FACTORY FOR ADDITIONAL LENGTHS

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				75	OHMS	
CAPACITANCE NOMINAL:				19.2	pf/FOOT	
RELATIVE SHIELDING:				-90.0	db MIN.	
VELOCITY OF PROPAGATION, NOMINAL:				70.70	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				500	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	0.5	1	2	3		
MAX. CW WATTS --->	38	27	19	15		

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.115	INCHES
MIN. BEND RADIUS:	0.71	INCHES
PREFERRED BEND RADIUS:	1.19	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-40/+85	DEGREES C
FORCE TO ENGAGE QBC:	3.00	INCH POUNDS
CONNECTOR INTERFACE:	QBC: COMMERCIAL TYPE F	
BULKHEAD: ACCEPTS MALE PIN DIA. .021 - .031"		

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053/5	WHITE/BLACK MARKING
BOOTS:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE F BODY:	ASTM B16 BRASS	QQ-N-290 NICKEL PLATED
QBC SHELL	ASTM B16 BRASS	MIL-G-45204 GOLD PLATED
QBC HOUSING	ASTM A 582 303 STAINLESS STEEL	PASSIVATE PER QQ-P-35
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO .5	.5 TO 1	1 TO 2	2 TO 3			UP TO .5	.5 TO 1	1 TO 2	2 TO 3			
1-F0L2-837- 3208	S	8.0	0.25	0.6	1.15	1.20	1.25	1.35			0.29	0.32	0.54	0.66			20.3
1-F0L2-837- 3212	S	12.0	0.25	0.7	1.15	1.20	1.25	1.35			0.35	0.41	0.67	0.81			30.5
1-F0L2-837- 3218	S	18.0	0.25	0.9	1.15	1.20	1.25	1.35			0.44	0.54	0.85	1.05			45.7
1-F0L2-837- 3224	S	24.0	0.25	1.0	1.15	1.20	1.25	1.35			0.53	0.67	1.04	1.28			61.0
1-F0L2-837- 3230	S	30.0	0.25	1.2	1.15	1.20	1.25	1.35			0.62	0.80	1.23	1.51			76.2
1-F0L2-837- 3236	S	36.0	0.25	1.3	1.15	1.20	1.25	1.35			0.71	0.93	1.42	1.74			91.4
1-F0L2-837- 3248	S	48.0	0.25	1.6	1.15	1.20	1.25	1.35			0.90	1.20	1.79	2.21			121.9
1-F0L2-837- 3260	S	60.0	0.25	1.9	1.15	1.20	1.25	1.35			1.08	1.46	2.17	2.67			152.4
1-F0L2-837- 3272	S	72.0	0.25	2.2	1.15	1.20	1.25	1.35			1.26	1.72	2.54	3.13			182.9
1-F0L2-837- 3284	S	84.0	0.25	2.5	1.15	1.20	1.25	1.35			1.45	1.98	2.92	3.60			213.4

S = STANDARD ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

Q-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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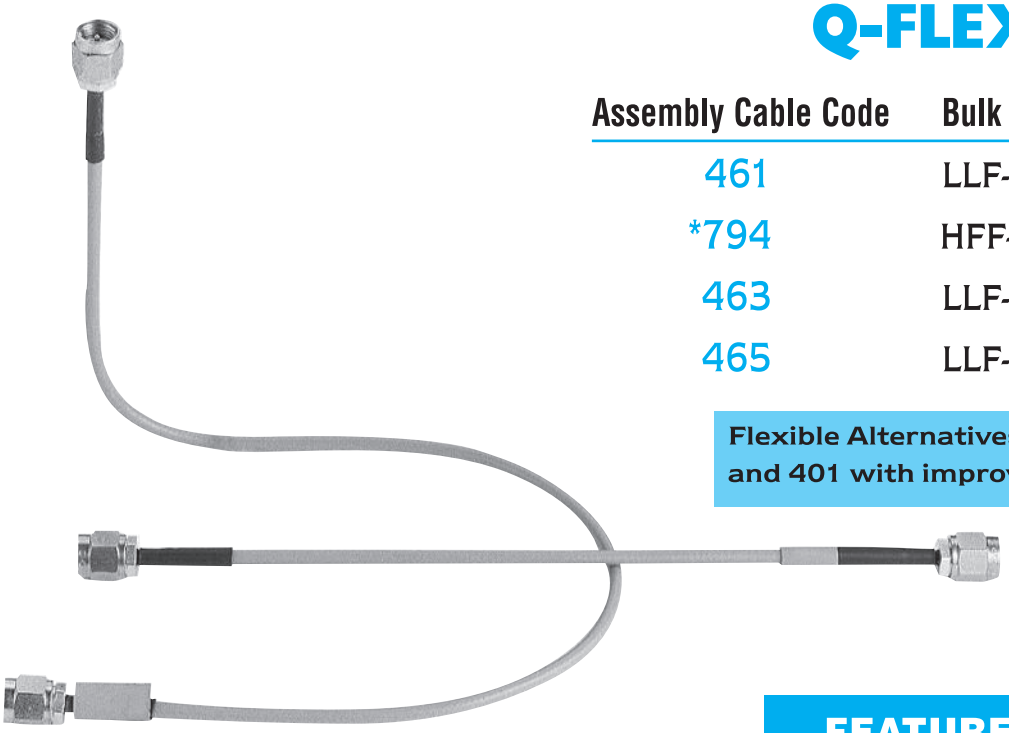
Q-FLEX® SERIES



Assembly Cable Code	Bulk Cable P/N	OD
461	LLF-1087	.105"
*794	HFF-1087	.105"
463	LLF-1141	.163"
465	LLF-1250	.270"

Flexible Alternatives to RG 405, 402 and 401 with improved attenuation

DESCRIPTION

Q-Flex® assemblies is a unique ALTERNATIVE to custom designed flexible coaxial cables. Traditionally custom specified, these cables are now available in various lengths and deliverable in 24 hours.

There is less than .05dB insertion loss with flexure, so your requirements for a STABLE CABLE are easily maintained.

Q-Flex® utilize Tensolite's anti-torque SMA, SMP or a connector of your choice, thus extending the cables useful life. Now you can meet deadlines, reduce costs, eliminate tooling, ease design, drafting, purchasing and manufacturing with Q-Flex®.

APPLICATIONS

- Meets requirements for low insertion loss
- Low insertion loss with flexure
- Cost sensitive projects
- Quick turn around
- Emergency field replacement
- Replacement for custom designed flexible cables

FEATURES

- Bends easily by hand with minimum degradation
- Low insertion loss with flexure
- Highly flexible FEP cable jacket
- 1/3 the cost of other assemblies
- Eliminates solder joint failures
- Cuts time and costs in design, drafting, purchasing and manufacturing
- Wide assortment IN STOCK for same day to 24 hour delivery
- Equipped with Tensolite's anti-torque SMA for long life
- Many connector configurations
- ***794 Low Loss Flexible (high frequency)**
  - Up to 40 GHz with 2.92mm (smK) male and straight SMP

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

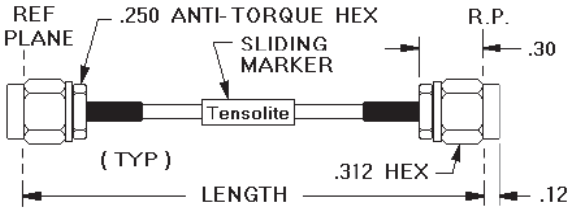
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12.4	18
MAX. CW WATTS --->	80	56	39	32	21	17

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.110	INCHES
MIN. BEND RADIUS:	0.55	INCHES
PREFERRED BEND RADIUS:	1.10	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE TO SMA MALE ON 461 Q-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	L-P-389 FEP	BLUE
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.) UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.) UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	NOM DELAY nS	LENGTH CM
1-3636-461- 5202	D	2.00	0.25	0.2	1.13	1.18	1.20	1.25	1.30	1.35	0.08	0.12	0.18	0.22	0.32	0.40	0.24	5.08
1-3636-461- 5203	D	3.00	0.25	0.2	1.13	1.18	1.20	1.25	1.30	1.35	0.10	0.15	0.21	0.27	0.39	0.50	0.36	7.62
1-3636-461- 5204	D	4.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.12	0.17	0.25	0.31	0.46	0.59	0.48	10.16
1-3636-461- 5205	D	5.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.14	0.20	0.29	0.36	0.54	0.68	0.60	12.70
1-3636-461- 5206	D	6.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.15	0.22	0.33	0.41	0.61	0.78	0.72	15.24
1-3636-461- 5207		7.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.17	0.25	0.36	0.46	0.68	0.87	0.84	17.78
1-3636-461- 5208	D	8.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.19	0.27	0.40	0.50	0.76	0.97	0.96	20.32
1-3636-461- 5209		9.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.21	0.30	0.44	0.55	0.83	1.06	1.08	22.86
1-3636-461- 5210		10.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.22	0.32	0.48	0.60	0.90	1.16	1.20	25.40
1-3636-461- 5211		11.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.24	0.35	0.51	0.65	0.97	1.25	1.32	27.94
1-3636-461- 5212	D	12.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.26	0.38	0.55	0.70	1.05	1.34	1.44	30.48
1-3636-461- 5213		13.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.28	0.40	0.59	0.74	1.12	1.44	1.56	33.02
1-3636-461- 5214		14.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.29	0.43	0.63	0.79	1.19	1.53	1.68	35.56
1-3636-461- 5215		15.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.31	0.45	0.67	0.84	1.27	1.63	1.80	38.10
1-3636-461- 5216		16.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.33	0.48	0.70	0.89	1.34	1.72	1.92	40.64
1-3636-461- 5217		17.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.34	0.50	0.74	0.93	1.41	1.82	2.04	43.18
1-3636-461- 5218	D	18.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.36	0.53	0.78	0.98	1.48	1.91	2.16	45.72
1-3636-461- 5219		19.00	0.25	0.6	1.13	1.18	1.20	1.25	1.30	1.35	0.38	0.55	0.82	1.03	1.56	2.00	2.28	48.26
1-3636-461- 5220		20.00	0.25	0.6	1.13	1.18	1.20	1.25	1.30	1.35	0.40	0.58	0.85	1.08	1.63	2.10	2.40	50.80
1-3636-461- 5221		21.00	0.25	0.6	1.13	1.18	1.20	1.25	1.30	1.35	0.41	0.60	0.89	1.13	1.70	2.19	2.52	53.34
1-3636-461- 5222		22.00	0.25	0.6	1.13	1.18	1.20	1.25	1.30	1.35	0.43	0.63	0.93	1.17	1.78	2.29	2.64	55.88
1-3636-461- 5223		23.00	0.25	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.45	0.65	0.97	1.22	1.85	2.38	2.76	58.42
1-3636-461- 5224	D	24.00	0.25	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.47	0.68	1.00	1.27	1.92	2.48	2.88	60.96
1-3636-461- 5225		25.00	0.25	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.48	0.71	1.04	1.32	1.99	2.57	3.00	63.50
1-3636-461- 5226		26.00	0.26	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.50	0.73	1.08	1.36	2.07	2.66	3.12	66.04
1-3636-461- 5227		27.00	0.27	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.52	0.76	1.12	1.41	2.14	2.76	3.24	68.58
1-3636-461- 5228		28.00	0.28	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.54	0.78	1.15	1.46	2.21	2.85	3.36	71.12
1-3636-461- 5229		29.00	0.29	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.55	0.81	1.19	1.51	2.29	2.95	3.48	73.66
1-3636-461- 5230		30.00	0.30	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.57	0.83	1.23	1.56	2.36	3.04	3.60	76.20
1-3636-461- 5231		31.00	0.31	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.59	0.86	1.27	1.60	2.43	3.14	3.71	78.74
1-3636-461- 5232		32.00	0.32	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.60	0.88	1.31	1.65	2.50	3.23	3.83	81.28
1-3636-461- 5233		33.00	0.33	0.9	1.13	1.18	1.20	1.25	1.30	1.35	0.62	0.91	1.34	1.70	2.58	3.33	3.95	83.82
1-3636-461- 5234		34.00	0.34	0.9	1.13	1.18	1.20	1.25	1.30	1.35	0.64	0.93	1.38	1.75	2.65	3.42	4.07	86.36
1-3636-461- 5235		35.00	0.35	0.9	1.13	1.18	1.20	1.25	1.30	1.35	0.66	0.96	1.42	1.79	2.72	3.51	4.19	88.90
1-3636-461- 5236		36.00	0.36	0.9	1.18	1.20	1.25	1.30	1.35	1.38	0.67	0.98	1.46	1.84	2.80	3.61	4.31	91.44
1-3636-461- 5239		39.00	0.39	1.0	1.18	1.20	1.25	1.30	1.35	1.38	0.73	1.06	1.57	1.99	3.01	3.89	4.67	99.06
1-3636-461- 5240		40.00	0.40	1.0	1.18	1.20	1.25	1.30	1.35	1.38	0.74	1.09	1.61	2.03	3.09	3.99	4.79	101.60
1-3636-461- 5241		41.00	0.41	1.0	1.18	1.20	1.25	1.30	1.35	1.38	0.76	1.11	1.64	2.08	3.16	4.08	4.91	104.14
1-3636-461- 5242		42.00	0.42	1.0	1.18	1.20	1.25	1.30	1.35	1.38	0.78	1.14	1.68	2.13	3.23	4.17	5.03	106.68
1-3636-461- 5248		48.00	0.48	1.2	1.18	1.20	1.25	1.30	1.35	1.38	0.88	1.29	1.91	2.42	3.67	4.74	5.75	121.92
1-3636-461- 5254		54.00	0.54	1.3	1.18	1.20	1.25	1.30	1.35	1.38	0.99	1.44	2.13	2.70	4.11	5.31	6.47	137.16
1-3636-461- 5260		60.00	0.60	1.4	1.18	1.20	1.25	1.30	1.35	1.38	1.09	1.59	2.36	2.99	4.54	5.87	7.19	152.40
1-3636-461- 5266		66.00	0.66	1.5	1.18	1.20	1.25	1.30	1.35	1.38	1.19	1.75	2.59	3.28	4.98	6.44	7.91	167.64
1-3636-461- 5272		72.00	0.72	1.7	1.18	1.20	1.25	1.30	1.35	1.38	1.30	1.90	2.81	3.56	5.42	7.00	8.63	182.88
1-3636-461- 5278		78.00	0.78	1.8	1.20	1.23	1.28	1.33	1.38	1.42	1.40	2.05	3.04	3.85	5.86	7.57	9.35	198.12
1-3636-461- 5284		84.00	0.84	1.9	1.20	1.23	1.28	1.33	1.38	1.42	1.51	2.20	3.26	4.14	6.29	8.14	10.07	213.36
1-3636-461- 5290		90.00	0.90	2.0	1.20	1.23	1.28	1.33	1.38	1.42	1.61	2.36	3.49	4.42	6.73	8.70	10.79	228.60
1-3636-461- 5296		96.00	0.96	2.2	1.20	1.23	1.28	1.33	1.38	1.42	1.71	2.51	3.72	4.71	7.17	9.27	11.50	243.84
1-3636-461- 5299		99.00	0.99	2.2	1.20	1.23	1.28	1.33	1.38	1.42	1.77	2.58	3.83	4.85	7.39	9.55	11.86	251.46
2-3636-461- 5210		120.00	1.20	2.6	1.20	1.23	1.28	1.33	1.38	1.42	2.13	3.12	4.62	5.86	8.91	11.53	14.38	304.80
2-3636-461- 5215		180.00	1.80	3.9	1.20	1.23	1.28	1.33	1.38	1.42	3.17	4.64	6.88	8.72	13.29	17.19	21.57	457.20

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

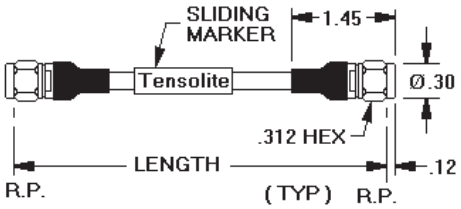
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:			50	OHMS		
CAPACITANCE NOMINAL:			29.4	pf/FOOT		
VELOCITY OF PROPAGATION, NOMINAL:			70.7	%		
RELATIVE SHIELDING:			-100	dB MIN.		
INSULATION RESISTANCE:			1000	MEGOHMS MIN.		
DIELECTRIC WITHSTANDING VOLTAGE:			1000	VRMS MIN.		
ELECTRICAL DELAY:			1.44	ns/FOOT		
ELECTRICAL DELAY:			120	ps/INCH		
MAX. PULSE RF POWER:			1250	WATTS		
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	208	144	98	78	52	40

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.168	INCHES
MIN. BEND RADIUS:	0.84	INCHES
PREFERRED BEND RADIUS:	1.68	INCHES
CONNECTOR RETENTION:	60	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-34	SMA

SMA MALE TO SMA MALE ON 463 Q-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	L-P-389 FEP	BLUE
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-463- 5202	D	2.0	0.3	0.3	1.06	1.11	1.14	1.17	1.20	1.28	0.07	0.10	0.15	0.18	0.26	0.33	0.24	5.08
1-3636-463- 5203	D	3.0	0.3	0.4	1.06	1.11	1.14	1.17	1.20	1.28	0.08	0.12	0.17	0.21	0.30	0.38	0.36	7.62
1-3636-463- 5204	D	4.0	0.3	0.5	1.06	1.11	1.14	1.17	1.20	1.28	0.09	0.13	0.19	0.24	0.35	0.44	0.48	10.2
1-3636-463- 5205	D	5.0	0.3	0.5	1.06	1.11	1.14	1.17	1.20	1.28	0.10	0.15	0.21	0.27	0.39	0.50	0.60	12.7
1-3636-463- 5206	D	6.0	0.3	0.6	1.06	1.11	1.14	1.17	1.20	1.28	0.11	0.16	0.24	0.30	0.44	0.55	0.72	15.2
1-3636-463- 5207		7.0	0.3	0.6	1.06	1.11	1.14	1.17	1.20	1.28	0.12	0.18	0.26	0.32	0.48	0.61	0.84	17.8
1-3636-463- 5208	D	8.0	0.3	0.7	1.06	1.11	1.14	1.17	1.20	1.28	0.13	0.19	0.28	0.35	0.52	0.67	0.96	20.3
1-3636-463- 5209		9.0	0.3	0.7	1.06	1.11	1.14	1.17	1.20	1.28	0.14	0.21	0.30	0.38	0.57	0.72	1.08	22.9
1-3636-463- 5210		10.0	0.3	0.8	1.06	1.11	1.14	1.17	1.20	1.28	0.15	0.22	0.33	0.41	0.61	0.78	1.20	25.4
1-3636-463- 5211		11.0	0.3	0.8	1.06	1.11	1.14	1.17	1.20	1.28	0.16	0.24	0.35	0.44	0.66	0.84	1.32	27.9
1-3636-463- 5212	D	12.0	0.3	0.9	1.06	1.11	1.14	1.17	1.20	1.28	0.18	0.25	0.37	0.47	0.70	0.90	1.44	30.5
1-3636-463- 5213		13.0	0.3	1.0	1.06	1.11	1.14	1.17	1.20	1.28	0.19	0.27	0.39	0.50	0.74	0.95	1.56	33.0
1-3636-463- 5214		14.0	0.3	1.0	1.06	1.11	1.14	1.17	1.20	1.28	0.20	0.28	0.42	0.53	0.79	1.01	1.68	35.6
1-3636-463- 5215		15.0	0.3	1.1	1.06	1.11	1.14	1.17	1.20	1.28	0.21	0.30	0.44	0.55	0.83	1.07	1.80	38.1
1-3636-463- 5216		16.0	0.3	1.1	1.06	1.11	1.14	1.17	1.20	1.28	0.22	0.32	0.46	0.58	0.88	1.12	1.92	40.6
1-3636-463- 5217		17.0	0.3	1.2	1.06	1.11	1.14	1.17	1.20	1.28	0.23	0.33	0.49	0.61	0.92	1.18	2.04	43.2
1-3636-463- 5218	D	18.0	0.3	1.2	1.06	1.11	1.14	1.17	1.20	1.28	0.24	0.35	0.51	0.64	0.96	1.24	2.16	45.7
1-3636-463- 5219		19.0	0.3	1.3	1.06	1.11	1.14	1.17	1.20	1.28	0.25	0.36	0.53	0.67	1.01	1.29	2.28	48.3
1-3636-463- 5220		20.0	0.3	1.3	1.06	1.11	1.14	1.17	1.20	1.28	0.26	0.38	0.55	0.70	1.05	1.35	2.40	50.8
1-3636-463- 5221		21.0	0.3	1.4	1.06	1.11	1.14	1.17	1.20	1.28	0.27	0.39	0.58	0.73	1.10	1.41	2.52	53.3
1-3636-463- 5222		22.0	0.2	1.4	1.06	1.11	1.14	1.17	1.20	1.28	0.28	0.41	0.60	0.76	1.14	1.46	2.64	55.9
1-3636-463- 5223		23.0	0.2	1.5	1.06	1.11	1.14	1.17	1.20	1.28	0.29	0.42	0.62	0.78	1.18	1.52	2.76	58.4
1-3636-463- 5224	D	24.0	0.2	1.6	1.06	1.11	1.14	1.17	1.20	1.28	0.30	0.44	0.64	0.81	1.23	1.58	2.88	61.0
1-3636-463- 5227		27.0	0.3	1.7	1.06	1.11	1.14	1.17	1.20	1.28	0.33	0.48	0.71	0.90	1.36	1.75	3.24	68.6
1-3636-463- 5230		30.0	0.3	1.9	1.06	1.11	1.14	1.17	1.20	1.28	0.36	0.53	0.78	0.99	1.49	1.92	3.60	76.2
1-3636-463- 5231		31.0	0.3	1.9	1.06	1.11	1.14	1.17	1.20	1.28	0.37	0.54	0.80	1.01	1.53	1.98	3.71	78.7
1-3636-463- 5232		32.0	0.3	2.0	1.06	1.11	1.14	1.17	1.20	1.28	0.38	0.56	0.83	1.04	1.58	2.03	3.83	81.3
1-3636-463- 5233		33.0	0.3	2.0	1.06	1.11	1.14	1.17	1.20	1.28	0.39	0.57	0.85	1.07	1.62	2.09	3.95	83.8
1-3636-463- 5236		36.0	0.4	2.2	1.06	1.11	1.14	1.17	1.20	1.28	0.43	0.62	0.92	1.16	1.75	2.26	4.31	91.4
1-3636-463- 5239		39.0	0.4	2.4	1.06	1.11	1.14	1.17	1.20	1.28	0.46	0.67	0.98	1.24	1.89	2.43	4.67	99.1
1-3636-463- 5240		40.0	0.4	2.4	1.06	1.11	1.14	1.17	1.20	1.28	0.47	0.68	1.01	1.27	1.93	2.49	4.79	101.6
1-3636-463- 5241		41.0	0.4	2.5	1.06	1.11	1.14	1.17	1.20	1.28	0.48	0.70	1.03	1.30	1.97	2.55	4.91	104.1
1-3636-463- 5242		42.0	0.4	2.5	1.06	1.11	1.14	1.17	1.20	1.28	0.49	0.71	1.05	1.33	2.02	2.60	5.03	107
1-3636-463- 5245		45.0	0.5	2.7	1.06	1.11	1.14	1.17	1.20	1.28	0.52	0.76	1.12	1.42	2.15	2.77	5.39	114
1-3636-463- 5248		48.0	0.5	2.9	1.06	1.11	1.14	1.17	1.20	1.28	0.55	0.80	1.19	1.50	2.28	2.94	5.75	122
1-3636-463- 5250		50.0	0.5	3.0	1.06	1.11	1.14	1.17	1.20	1.28	0.57	0.83	1.23	1.56	2.37	3.06	5.99	127
1-3636-463- 5252		52.0	0.5	3.1	1.06	1.11	1.14	1.17	1.20	1.28	0.59	0.86	1.28	1.62	2.46	3.17	6.23	132
1-3636-463- 5254		54.0	0.5	3.2	1.06	1.11	1.14	1.17	1.20	1.28	0.61	0.90	1.32	1.68	2.54	3.28	6.47	137
1-3636-463- 5256		56.0	0.6	3.3	1.06	1.11	1.14	1.17	1.20	1.28	0.63	0.93	1.37	1.73	2.63	3.40	6.71	142
1-3636-463- 5258		58.0	0.6	3.4	1.06	1.11	1.14	1.17	1.20	1.28	0.65	0.96	1.41	1.79	2.72	3.51	6.95	147
1-3636-463- 5260		60.0	0.6	3.5	1.06	1.11	1.14	1.17	1.20	1.28	0.68	0.99	1.46	1.85	2.81	3.63	7.19	152
1-3636-463- 5266		66.0	0.7	3.8	1.06	1.11	1.14	1.17	1.20	1.28	0.74	1.08	1.60	2.02	3.07	3.97	7.91	168
1-3636-463- 5272		72.0	0.7	4.2	1.06	1.11	1.14	1.17	1.20	1.28	0.80	1.17	1.73	2.19	3.33	4.31	8.63	183
1-3636-463- 5275		75.0	0.8	4.3	1.06	1.11	1.14	1.17	1.20	1.28	0.83	1.22	1.80	2.28	3.47	4.48	8.99	191
1-3636-463- 5279		79.0	0.8	4.6	1.06	1.11	1.14	1.17	1.20	1.28	0.87	1.28	1.89	2.40	3.64	4.71	9.47	201
1-3636-463- 5284		84.0	0.8	4.8	1.06	1.11	1.14	1.17	1.20	1.28	0.93	1.35	2.00	2.54	3.86	4.99	10.07	213
1-3636-463- 5296		96.0	1.0	5.5	1.06	1.11	1.14	1.17	1.20	1.28	1.05	1.54	2.28	2.88	4.39	5.67	11.50	244
1-3636-463- 5299		99.0	1.0	5.7	1.06	1.11	1.14	1.17	1.20	1.28	1.08	1.58	2.34	2.97	4.52	5.85	11.86	251
2-3636-463- 5209		108.0	1.1	6.1	1.06	1.11	1.14	1.17	1.20	1.28	1.18	1.72	2.55	3.23	4.92	6.36	12.94	274
2-3636-463- 5210		120.0	1.2	6.8	1.06	1.11	1.14	1.17	1.20	1.28	1.30	1.90	2.82	3.57	5.44	7.04	14.38	305
2-3636-463- 5212		144.0	1.4	8.1	1.06	1.11	1.14	1.17	1.20	1.28	1.55	2.27	3.36	4.27	6.50	8.41	17.26	366
2-3636-463- 5215		180.0	1.8	10.1	1.06	1.11	1.14	1.17	1.20	1.28	1.93	2.82	4.18	5.30	8.08	10.45	21.57	457
2-3636-463- 5220		240.0	2.4	13.4	1.06	1.11	1.14	1.17	1.20	1.28	2.55	3.74	5.54	7.03	10.71	13.87	28.76	610
2-3636-463- 5225		300.0	3.0	16.6	1.06	1.11	1.14	1.17	1.20	1.28	3.18	4.65	6.90	8.75	13.35	17.28	35.95	762
D = DISTRIBUTION ITEM					MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM													
NOTE: PROCUCT VERIFICATION SPECIFICATION IS PRODUCT SPECIFICATION ABOVE PLUS MEASURING SYSTEM UNCERTAINTY AND TEST ADAPTER(S) BELOW																		
CONTRIBUTIONS ---------->					0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05		0.08	

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

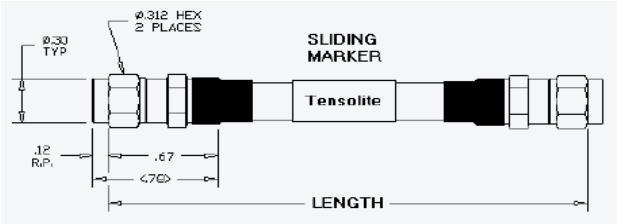
SMA MALE TO SMA MALE ON 465 Q-FLEX® CABLE.

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1750	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	357	241	159	124	80	61

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.280	INCHES
MIN. BEND RADIUS:	1.40	INCHES
PREFERRED BEND RADIUS:	2.80	INCHES
CONNECTOR RETENTION:	80	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348-310.1	



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	L-P-389 FEP	BLUE
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER	LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
	INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-465- 5202	2.0	0.25	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.07	0.09	0.13	0.16	0.24	0.29	0.24	5.08
1-3636-465- 5203	3.0	0.25	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.07	0.10	0.15	0.19	0.27	0.34	0.36	7.62
1-3636-465- 5204	4.0	0.25	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.08	0.12	0.17	0.21	0.30	0.38	0.48	10.2
1-3636-465- 5205	5.0	0.25	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.09	0.13	0.18	0.23	0.33	0.42	0.60	12.7
1-3636-465- 5206	6.0	0.25	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.10	0.14	0.20	0.25	0.36	0.46	0.72	15.2
1-3636-465- 5207	7.0	0.25	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.10	0.15	0.22	0.27	0.40	0.50	0.84	17.8
1-3636-465- 5208	8.0	0.25	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.11	0.16	0.23	0.29	0.43	0.54	0.96	20.3
1-3636-465- 5209	9.0	0.25	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.12	0.17	0.25	0.31	0.46	0.58	1.08	22.9
1-3636-465- 5210	10.0	0.25	1.3	1.10	1.15	1.20	1.25	1.30	1.35	0.13	0.18	0.27	0.33	0.49	0.62	1.20	25.4
1-3636-465- 5211	11.0	0.25	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.13	0.19	0.28	0.35	0.52	0.66	1.32	27.9
1-3636-465- 5212	12.0	0.25	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.14	0.20	0.30	0.37	0.55	0.70	1.44	30.5
1-3636-465- 5213	13.0	0.25	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.15	0.22	0.31	0.39	0.59	0.75	1.56	33.0
1-3636-465- 5214	14.0	0.25	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.23	0.33	0.42	0.62	0.79	1.68	35.6
1-3636-465- 5215	15.0	0.25	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.24	0.35	0.44	0.65	0.83	1.80	38.1
1-3636-465- 5216	16.0	0.25	2.0	1.10	1.15	1.20	1.25	1.30	1.35	0.17	0.25	0.36	0.46	0.68	0.87	1.92	40.6
1-3636-465- 5217	17.0	0.25	2.1	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.26	0.38	0.48	0.71	0.91	2.04	43.2
1-3636-465- 5218	18.0	0.25	2.2	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.27	0.40	0.50	0.74	0.95	2.16	45.7
1-3636-465- 5219	19.0	0.25	2.3	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.28	0.41	0.52	0.78	0.99	2.28	48.3
1-3636-465- 5220	20.0	0.25	2.4	1.10	1.15	1.20	1.25	1.30	1.35	0.20	0.29	0.43	0.54	0.81	1.03	2.40	50.8
1-3636-465- 5221	21.0	0.25	2.6	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.30	0.45	0.56	0.84	1.07	2.52	53.3
1-3636-465- 5222	22.0	0.22	2.7	1.10	1.15	1.20	1.25	1.30	1.35	0.22	0.32	0.46	0.58	0.87	1.11	2.64	55.9
1-3636-465- 5223	23.0	0.23	2.8	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.33	0.48	0.60	0.90	1.16	2.76	58.4
1-3636-465- 5224	24.0	0.24	2.9	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.34	0.50	0.62	0.94	1.20	2.88	61.0
1-3636-465- 5227	27.0	0.27	3.2	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.37	0.55	0.69	1.03	1.32	3.24	68.6
1-3636-465- 5230	30.0	0.30	3.6	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.41	0.60	0.75	1.13	1.44	3.60	76.2
1-3636-465- 5231	31.0	0.31	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.42	0.61	0.77	1.16	1.48	3.71	78.7
1-3636-465- 5232	32.0	0.32	3.8	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.43	0.63	0.79	1.19	1.52	3.83	81.3
1-3636-465- 5233	33.0	0.33	3.9	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.44	0.64	0.81	1.22	1.57	3.95	83.8
1-3636-465- 5236	36.0	0.36	4.2	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.47	0.69	0.87	1.32	1.69	4.31	91.4
1-3636-465- 5239	39.0	0.39	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.51	0.74	0.94	1.41	1.81	4.67	99.1
1-3636-465- 5240	40.0	0.40	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.52	0.76	0.96	1.44	1.85	4.79	101.6
1-3636-465- 5241	41.0	0.41	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.53	0.78	0.98	1.47	1.89	4.91	104.1
1-3636-465- 5242	42.0	0.42	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.54	0.79	1.00	1.51	1.93	5.03	107
1-3636-465- 5245	45.0	0.45	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.57	0.84	1.06	1.60	2.06	5.39	114
1-3636-465- 5248	48.0	0.48	5.5	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.61	0.89	1.13	1.70	2.18	5.75	122
1-3636-465- 5250	50.0	0.50	5.8	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.63	0.93	1.17	1.76	2.26	5.99	127
1-3636-465- 5252	52.0	0.52	6.0	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.65	0.96	1.21	1.82	2.35	6.23	132
1-3636-465- 5254	54.0	0.54	6.2	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.67	0.99	1.25	1.89	2.43	6.47	137
1-3636-465- 5256	56.0	0.56	6.4	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.70	1.02	1.29	1.95	2.51	6.71	142
1-3636-465- 5258	58.0	0.58	6.6	1.10	1.15	1.20	1.25	1.30	1.35	0.49	0.72	1.06	1.33	2.01	2.59	6.95	147
1-3636-465- 5260	60.0	0.60	6.9	1.13	1.18	1.23	1.28	1.33	1.38	0.51	0.74	1.09	1.38	2.08	2.67	7.19	152
1-3636-465- 5266	66.0	0.66	7.5	1.13	1.18	1.23	1.28	1.33	1.38	0.55	0.81	1.19	1.50	2.27	2.92	7.91	168
1-3636-465- 5272	72.0	0.72	8.2	1.13	1.18	1.23	1.28	1.33	1.38	0.60	0.87	1.29	1.63	2.46	3.17	8.63	183
1-3636-465- 5275	75.0	0.75	8.5	1.13	1.18	1.23	1.28	1.33	1.38	0.62	0.91	1.34	1.69	2.55	3.29	8.99	191
1-3636-465- 5279	79.0	0.79	9.0	1.13	1.18	1.23	1.28	1.33	1.38	0.65	0.95	1.40	1.77	2.68	3.45	9.47	201
1-3636-465- 5284	84.0	0.84	9.5	1.13	1.18	1.23	1.28	1.33	1.38	0.69	1.01	1.49	1.88	2.84	3.66	10.07	213
1-3636-465- 5296	96.0	0.96	10.8	1.13	1.18	1.23	1.28	1.33	1.38	0.78	1.14	1.68	2.13	3.22	4.15	11.50	244
1-3636-465- 5299	99.0	0.99	11.2	1.13	1.18	1.23	1.28	1.33	1.38	0.80	1.17	1.73	2.19	3.32	4.27	11.86	251
2-3636-465- 5209	108.0	1.08	12.2	1.13	1.18	1.23	1.28	1.33	1.38	0.87	1.27	1.88	2.38	3.60	4.64	12.94	274
2-3636-465- 5210	120.0	1.20	13.5	1.15	1.20	1.25	1.30	1.35	1.40	0.97	1.41	2.08	2.63	3.98	5.13	14.38	305
2-3636-465- 5212	144.0	1.44	16.1	1.15	1.20	1.25	1.30	1.35	1.40	1.15	1.68	2.48	3.13	4.75	6.12	17.26	366
2-3636-465- 5215	180.0	1.80	20.1	1.15	1.20	1.25	1.30	1.35	1.40	1.42	2.08	3.07	3.88	5.89	7.59	21.57	457
2-3636-465- 5220	240.0	2.40	26.7	1.15	1.20	1.25	1.30	1.35	1.40	1.88	2.75	4.06	5.14	7.79	10.06	28.76	610
2-3636-465- 5225	300.0	3.00	33.4	1.15	1.20	1.25	1.30	1.35	1.40	2.34	3.42	5.05	6.39	9.70	12.52	35.95	762
MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM																	
NOTE: PROCUCT VERIFICATION SPECIFICATION IS PRODUCT SPECIFICATION ABOVE PLUS MEASURING SYSTEM UNCERTAINTY AND TEST ADAPTER(S) BELOW																	
CONTRIBUTIONS ---------->				0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.08		
NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.																	
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.																	

Q-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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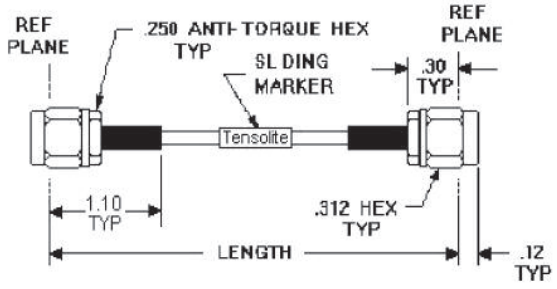
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

2.92MM MALE TO 2.92MM MALE ON 794 Q-FLEX® CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	2	4	12	18	26	40
MAX. CW WATTS --->	56	39	21	17	14	11

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.110	INCHES
MIN. BEND RADIUS:	0.55	INCHES
PREFERRED BEND RADIUS:	1.10	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	COMMERCIAL K	

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	L-P-389 FEP	BLUE
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA GASKET	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26	26 TO 40	UP TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26	26 TO 40	DELAY nS	CM
1-K6K6-794- 5302		2.00	0.25	0.2	1.13	1.18	1.25	1.35	1.40	1.45	0.16	0.22	0.36	0.45	0.57	0.72	0.24	5.1
1-K6K6-794- 5303		3.00	0.25	0.2	1.13	1.18	1.25	1.35	1.40	1.45	0.18	0.26	0.44	0.54	0.68	0.87	0.36	7.6
1-K6K6-794- 5304		4.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.21	0.30	0.51	0.64	0.80	1.02	0.48	10.2
1-K6K6-794- 5305		5.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.24	0.34	0.58	0.73	0.91	1.17	0.60	12.7
1-K6K6-794- 5306		6.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.27	0.38	0.66	0.82	1.03	1.32	0.72	15.2
1-K6K6-794- 5307		7.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.30	0.42	0.73	0.92	1.15	1.47	0.84	17.8
1-K6K6-794- 5308		8.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.32	0.46	0.81	1.01	1.26	1.62	0.96	20.3
1-K6K6-794- 5309		9.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.35	0.50	0.88	1.10	1.38	1.77	1.08	22.9
1-K6K6-794- 5310		10.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.38	0.54	0.95	1.20	1.49	1.92	1.20	25.4
1-K6K6-794- 5311		11.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.41	0.58	1.03	1.29	1.61	2.07	1.32	27.9
1-K6K6-794- 5312		12.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.43	0.62	1.10	1.38	1.73	2.22	1.44	30.5
1-K6K6-794- 5313		13.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.46	0.66	1.18	1.48	1.84	2.37	1.56	33.0
1-K6K6-794- 5314		14.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.49	0.70	1.25	1.57	1.96	2.52	1.68	35.6
1-K6K6-794- 5315		15.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.52	0.75	1.32	1.66	2.07	2.67	1.80	38.1
1-K6K6-794- 5316		16.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.55	0.79	1.40	1.76	2.19	2.82	1.92	40.6
1-K6K6-794- 5317		17.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.57	0.83	1.47	1.85	2.31	2.97	2.04	43.2
1-K6K6-794- 5318		18.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.60	0.87	1.55	1.94	2.42	3.12	2.16	45.7
1-K6K6-794- 5319		19.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.63	0.91	1.62	2.04	2.54	3.27	2.28	48.3
1-K6K6-794- 5320		20.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.66	0.95	1.69	2.13	2.65	3.42	2.40	50.8
1-K6K6-794- 5321		21.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.69	0.99	1.77	2.23	2.77	3.57	2.52	53.3
1-K6K6-794- 5322		22.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.71	1.03	1.84	2.32	2.89	3.72	2.64	55.9
1-K6K6-794- 5323		23.00	0.25	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.74	1.07	1.92	2.41	3.00	3.87	2.76	58.4
1-K6K6-794- 5324		24.00	0.25	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.77	1.11	1.99	2.51	3.12	4.02	2.88	61.0
1-K6K6-794- 5325		25.00	0.25	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.80	1.15	2.07	2.60	3.23	4.17	3.00	63.5
1-K6K6-794- 5326		26.00	0.26	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.82	1.19	2.14	2.69	3.35	4.33	3.12	66.0
1-K6K6-794- 5327		27.00	0.27	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.85	1.23	2.21	2.79	3.47	4.48	3.24	68.6
1-K6K6-794- 5328		28.00	0.28	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.88	1.27	2.29	2.88	3.58	4.63	3.36	71.1
1-K6K6-794- 5329		29.00	0.29	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.91	1.31	2.36	2.97	3.70	4.78	3.48	73.7
1-K6K6-794- 5330		30.00	0.30	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.94	1.35	2.44	3.07	3.81	4.93	3.60	76.2
1-K6K6-794- 5331		31.00	0.31	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.96	1.39	2.51	3.16	3.93	5.08	3.71	78.7
1-K6K6-794- 5332		32.00	0.32	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.99	1.43	2.58	3.25	4.05	5.23	3.83	81.3
1-K6K6-794- 5333		33.00	0.33	0.9	1.13	1.18	1.25	1.35	1.40	1.45	1.02	1.47	2.66	3.35	4.16	5.38	3.95	83.8
1-K6K6-794- 5334		34.00	0.34	0.9	1.13	1.18	1.25	1.35	1.40	1.45	1.05	1.51	2.73	3.44	4.28	5.53	4.07	86.4
1-K6K6-794- 5335		35.00	0.35	0.9	1.13	1.18	1.25	1.35	1.40	1.45	1.07	1.55	2.81	3.53	4.39	5.68	4.19	88.9
1-K6K6-794- 5336		36.00	0.36	0.9	1.16	1.21	1.28	1.38	1.43	1.48	1.10	1.59	2.88	3.63	4.51	5.83	4.31	91.4
1-K6K6-794- 5339		39.00	0.39	1.0	1.16	1.21	1.28	1.38	1.43	1.48	1.19	1.71	3.10	3.91	4.86	6.28	4.67	99.1
1-K6K6-794- 5340		40.00	0.40	1.0	1.16	1.21	1.28	1.38	1.43	1.48	1.21	1.75	3.18	4.00	4.97	6.43	4.79	101.6
1-K6K6-794- 5341		41.00	0.41	1.0	1.16	1.21	1.28	1.38	1.43	1.48	1.24	1.79	3.25	4.10	5.09	6.58	4.91	104.1
1-K6K6-794- 5342		42.00	0.42	1.0	1.16	1.21	1.28	1.38	1.43	1.48	1.27	1.83	3.32	4.19	5.21	6.73	5.03	106.7
1-K6K6-794- 5348		48.00	0.48	1.2	1.16	1.21	1.28	1.38	1.43	1.48	1.44	2.08	3.77	4.75	5.90	7.63	5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

Q-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

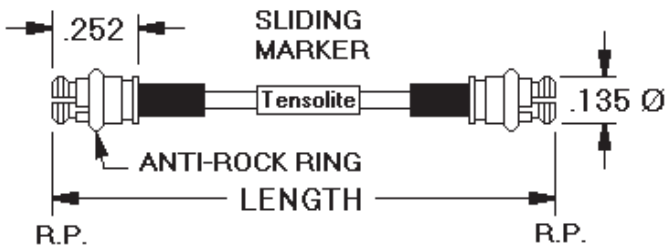
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	2	4	12	18	26	40
MAX. CW WATTS --->	56	39	21	17	14	11

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.110	INCHES
MIN. BEND RADIUS:	0.55	INCHES
PREFERRED BEND RADIUS:	1.10	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	COMMERCIAL SMP	

SMP PLUG TO SMP PLUG ON 794 Q-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	L-P-389 FEP	BLUE
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
BODIES:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26	26 TO 40	UP TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26	26 TO 40	DELAY nS	CM
1-G6G6-794- 3302		2.00	0.25	0.2	1.13	1.18	1.25	1.35	1.40	1.45	0.20	0.28	0.47	0.58	0.72	0.91	0.24	5.1
1-G6G6-794- 3303		3.00	0.25	0.2	1.13	1.18	1.25	1.35	1.40	1.45	0.23	0.32	0.54	0.67	0.84	1.06	0.36	7.6
1-G6G6-794- 3304		4.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.25	0.36	0.61	0.76	0.95	1.21	0.48	10.2
1-G6G6-794- 3305		5.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.28	0.40	0.69	0.86	1.07	1.36	0.60	12.7
1-G6G6-794- 3306		6.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.31	0.44	0.76	0.95	1.18	1.51	0.72	15.2
1-G6G6-794- 3307		7.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.34	0.48	0.84	1.04	1.30	1.66	0.84	17.8
1-G6G6-794- 3308		8.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.37	0.52	0.91	1.14	1.42	1.81	0.96	20.3
1-G6G6-794- 3309		9.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.39	0.56	0.98	1.23	1.53	1.96	1.08	22.9
1-G6G6-794- 3310		10.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.42	0.60	1.06	1.32	1.65	2.11	1.20	25.4
1-G6G6-794- 3311		11.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.45	0.64	1.13	1.42	1.76	2.26	1.32	27.9
1-G6G6-794- 3312		12.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.48	0.68	1.21	1.51	1.88	2.41	1.44	30.5
1-G6G6-794- 3313		13.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.50	0.72	1.28	1.60	2.00	2.56	1.56	33.0
1-G6G6-794- 3314		14.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.53	0.76	1.35	1.70	2.11	2.71	1.68	35.6
1-G6G6-794- 3315		15.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.56	0.81	1.43	1.79	2.23	2.86	1.80	38.1
1-G6G6-794- 3316		16.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.59	0.85	1.50	1.89	2.34	3.01	1.92	40.6
1-G6G6-794- 3317		17.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.62	0.89	1.58	1.98	2.46	3.16	2.04	43.2
1-G6G6-794- 3318		18.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.64	0.93	1.65	2.07	2.58	3.31	2.16	45.7
1-G6G6-794- 3319		19.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.67	0.97	1.72	2.17	2.69	3.46	2.28	48.3
1-G6G6-794- 3320		20.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.70	1.01	1.80	2.26	2.81	3.61	2.40	50.8
1-G6G6-794- 3321		21.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.73	1.05	1.87	2.35	2.92	3.76	2.52	53.3
1-G6G6-794- 3322		22.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.76	1.09	1.95	2.45	3.04	3.91	2.64	55.9
1-G6G6-794- 3323		23.00	0.25	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.78	1.13	2.02	2.54	3.16	4.06	2.76	58.4
1-G6G6-794- 3324		24.00	0.25	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.81	1.17	2.10	2.63	3.27	4.21	2.88	61.0
1-G6G6-794- 3325		25.00	0.25	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.84	1.21	2.17	2.73	3.39	4.36	3.00	63.5
1-G6G6-794- 3326		26.00	0.26	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.87	1.25	2.24	2.82	3.50	4.51	3.12	66.0
1-G6G6-794- 3327		27.00	0.27	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.89	1.29	2.32	2.91	3.62	4.67	3.24	68.6
1-G6G6-794- 3328		28.00	0.28	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.92	1.33	2.39	3.01	3.74	4.82	3.36	71.1
1-G6G6-794- 3329		29.00	0.29	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.95	1.37	2.47	3.10	3.85	4.97	3.48	73.7
1-G6G6-794- 3330		30.00	0.30	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.98	1.41	2.54	3.19	3.97	5.12	3.60	76.2
1-G6G6-794- 3331		31.00	0.31	0.8	1.13	1.18	1.25	1.35	1.40	1.45	1.01	1.45	2.61	3.29	4.08	5.27	3.71	78.7
1-G6G6-794- 3332		32.00	0.32	0.8	1.13	1.18	1.25	1.35	1.40	1.45	1.03	1.49	2.69	3.38	4.20	5.42	3.83	81.3
1-G6G6-794- 3333		33.00	0.33	0.9	1.13	1.18	1.25	1.35	1.40	1.45	1.06	1.53	2.76	3.47	4.32	5.57	3.95	83.8
1-G6G6-794- 3334		34.00	0.34	0.9	1.13	1.18	1.25	1.35	1.40	1.45	1.09	1.57	2.84	3.57	4.43	5.72	4.07	86.4
1-G6G6-794- 3335		35.00	0.35	0.9	1.13	1.18	1.25	1.35	1.40	1.45	1.12	1.61	2.91	3.66	4.55	5.87	4.19	88.9
1-G6G6-794- 3336		36.00	0.36	0.9	1.16	1.21	1.28	1.38	1.43	1.48	1.15	1.65	2.98	3.76	4.66	6.02	4.31	91.4
1-G6G6-794- 3339		39.00	0.39	1.0	1.16	1.21	1.28	1.38	1.43	1.48	1.23	1.77	3.21	4.04	5.01	6.47	4.67	99.1
1-G6G6-794- 3340		40.00	0.40	1.0	1.16	1.21	1.28	1.38	1.43	1.48	1.26	1.81	3.28	4.13	5.13	6.62	4.79	101.6
1-G6G6-794- 3341		41.00	0.41	1.0	1.16	1.21	1.28	1.38	1.43	1.48	1.28	1.85	3.35	4.22	5.24	6.77	4.91	104.1
1-G6G6-794- 3342		42.00	0.42	1.0	1.16	1.21	1.28	1.38	1.43	1.48	1.31	1.89	3.43	4.32	5.36	6.92	5.03	106.7
1-G6G6-794- 3348		48.00	0.48	1.2	1.16	1.21	1.28	1.38	1.43	1.48	1.48	2.14	3.87	4.88	6.06	7.82	5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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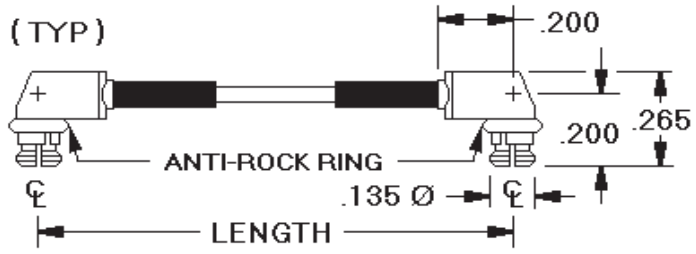
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

SMP RT.< PLUG TO SMP RT.< PLUG ON 794 Q-FLEX® CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	12	18	26
MAX. CW WATTS --->	18	59	40	21	16	13

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.110	INCHES
MIN. BEND RADIUS:	0.55	INCHES
PREFERRED BEND RADIUS:	1.10	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	COMMERCIAL SMP	

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	L-P-389 FEP	BLUE
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
BODIES:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER	LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
				UP TO 1	1 TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26	UP TO 1	1 TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26		
1-G7G7-794- 3302	2.00	0.25	0.2	1.13	1.18	1.25	1.35	1.40	1.45	0.15	0.21	0.28	0.48	0.61	0.75	0.24	5.1
1-G7G7-794- 3303	3.00	0.25	0.2	1.13	1.18	1.25	1.35	1.40	1.45	0.17	0.24	0.32	0.55	0.70	0.86	0.36	7.6
1-G7G7-794- 3304	4.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.19	0.26	0.36	0.62	0.79	0.98	0.48	10.2
1-G7G7-794- 3305	5.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.21	0.29	0.40	0.70	0.89	1.10	0.60	12.7
1-G7G7-794- 3306	6.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.23	0.32	0.44	0.77	0.98	1.22	0.72	15.2
1-G7G7-794- 3307	7.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.25	0.35	0.48	0.85	1.07	1.33	0.84	17.8
1-G7G7-794- 3308	8.00	0.25	0.3	1.13	1.18	1.25	1.35	1.40	1.45	0.26	0.38	0.52	0.92	1.17	1.45	0.96	20.3
1-G7G7-794- 3309	9.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.28	0.40	0.56	0.99	1.26	1.57	1.08	22.9
1-G7G7-794- 3310	10.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.30	0.43	0.60	1.07	1.35	1.69	1.20	25.4
1-G7G7-794- 3311	11.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.32	0.46	0.64	1.14	1.45	1.80	1.32	27.9
1-G7G7-794- 3312	12.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.34	0.49	0.68	1.22	1.54	1.92	1.44	30.5
1-G7G7-794- 3313	13.00	0.25	0.4	1.13	1.18	1.25	1.35	1.40	1.45	0.36	0.51	0.72	1.29	1.63	2.04	1.56	33.0
1-G7G7-794- 3314	14.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.38	0.54	0.76	1.36	1.73	2.15	1.68	35.6
1-G7G7-794- 3315	15.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.40	0.57	0.81	1.44	1.82	2.27	1.80	38.1
1-G7G7-794- 3316	16.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.42	0.60	0.85	1.51	1.92	2.39	1.92	40.6
1-G7G7-794- 3317	17.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.44	0.63	0.89	1.59	2.01	2.51	2.04	43.2
1-G7G7-794- 3318	18.00	0.25	0.5	1.13	1.18	1.25	1.35	1.40	1.45	0.46	0.65	0.93	1.66	2.10	2.62	2.16	45.7
1-G7G7-794- 3319	19.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.48	0.68	0.97	1.73	2.20	2.74	2.28	48.3
1-G7G7-794- 3320	20.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.50	0.71	1.01	1.81	2.29	2.86	2.40	50.8
1-G7G7-794- 3321	21.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.52	0.74	1.05	1.88	2.38	2.98	2.52	53.3
1-G7G7-794- 3322	22.00	0.25	0.6	1.13	1.18	1.25	1.35	1.40	1.45	0.54	0.77	1.09	1.96	2.48	3.09	2.64	55.9
1-G7G7-794- 3323	23.00	0.25	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.55	0.79	1.13	2.03	2.57	3.21	2.76	58.4
1-G7G7-794- 3324	24.00	0.25	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.57	0.82	1.17	2.11	2.66	3.33	2.88	61.0
1-G7G7-794- 3325	25.00	0.25	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.59	0.85	1.21	2.18	2.76	3.44	3.00	63.5
1-G7G7-794- 3326	26.00	0.26	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.61	0.88	1.25	2.25	2.85	3.56	3.12	66.0
1-G7G7-794- 3327	27.00	0.27	0.7	1.13	1.18	1.25	1.35	1.40	1.45	0.63	0.90	1.29	2.33	2.94	3.68	3.24	68.6
1-G7G7-794- 3328	28.00	0.28	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.65	0.93	1.33	2.40	3.04	3.80	3.36	71.1
1-G7G7-794- 3329	29.00	0.29	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.67	0.96	1.37	2.48	3.13	3.91	3.48	73.7
1-G7G7-794- 3330	30.00	0.30	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.69	0.99	1.41	2.55	3.22	4.03	3.60	76.2
1-G7G7-794- 3331	31.00	0.31	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.71	1.02	1.45	2.62	3.32	4.15	3.71	78.7
1-G7G7-794- 3332	32.00	0.32	0.8	1.13	1.18	1.25	1.35	1.40	1.45	0.73	1.04	1.49	2.70	3.41	4.27	3.83	81.3
1-G7G7-794- 3333	33.00	0.33	0.9	1.13	1.18	1.25	1.35	1.40	1.45	0.75	1.07	1.53	2.77	3.50	4.38	3.95	83.8
1-G7G7-794- 3334	34.00	0.34	0.9	1.13	1.18	1.25	1.35	1.40	1.45	0.77	1.10	1.57	2.85	3.60	4.50	4.07	86.4
1-G7G7-794- 3335	35.00	0.35	0.9	1.13	1.18	1.25	1.35	1.40	1.45	0.79	1.13	1.61	2.92	3.69	4.62	4.19	88.9
1-G7G7-794- 3336	36.00	0.36	0.9	1.16	1.21	1.28	1.38	1.43	1.48	0.81	1.16	1.65	2.99	3.79	4.74	4.31	91.4
1-G7G7-794- 3339	39.00	0.39	1.0	1.16	1.21	1.28	1.38	1.43	1.48	0.86	1.24	1.77	3.22	4.07	5.09	4.67	99.1
1-G7G7-794- 3340	40.00	0.40	1.0	1.16	1.21	1.28	1.38	1.43	1.48	0.88	1.27	1.81	3.29	4.16	5.20	4.79	101.6
1-G7G7-794- 3341	41.00	0.41	1.0	1.16	1.21	1.28	1.38	1.43	1.48	0.90	1.29	1.85	3.36	4.25	5.32	4.91	104.1
1-G7G7-794- 3342	42.00	0.42	1.0	1.16	1.21	1.28	1.38	1.43	1.48	0.92	1.32	1.89	3.44	4.35	5.44	5.03	106.7
1-G7G7-794- 3348	48.00	0.48	1.2	1.16	1.21	1.28	1.38	1.43	1.48	1.04	1.49	2.14	3.88	4.91	6.14	5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

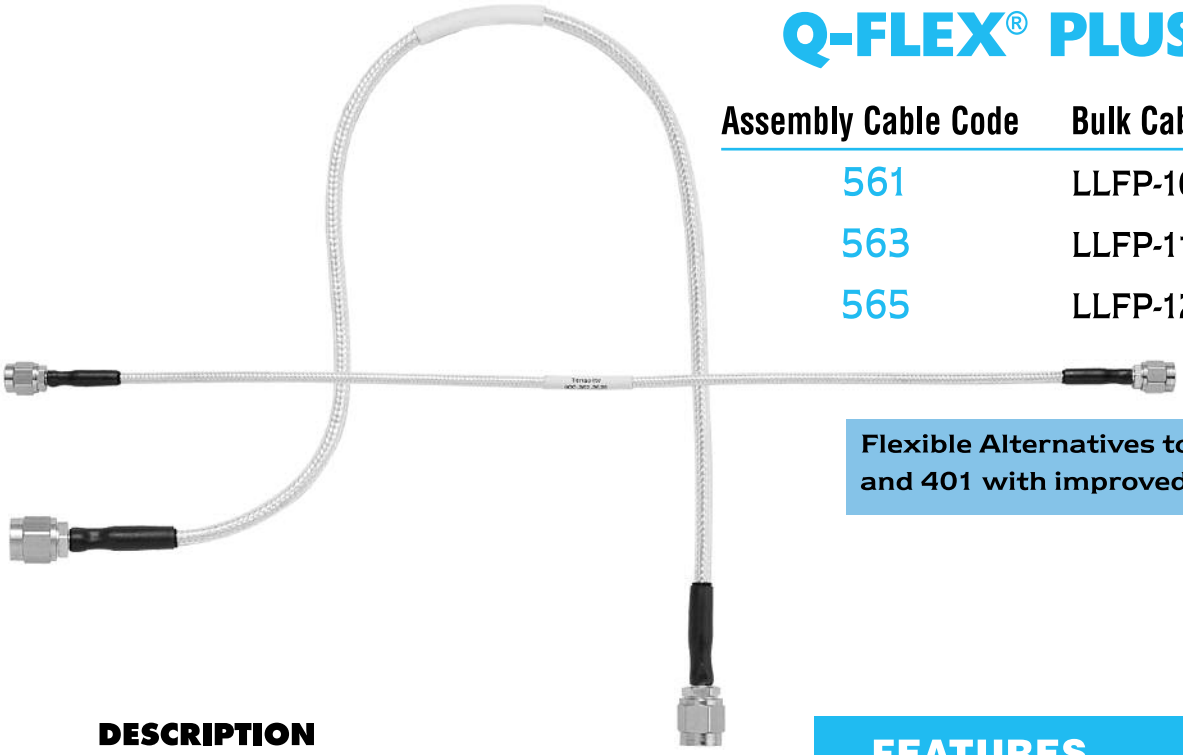
NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

Q-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

VISIT OUR WEB SITE AT http://www.tensolite.com

Q-FLEX® PLUS SERIES



Assembly Cable Code	Bulk Cable P/N	OD
561	LLFP-1087	.115"
563	LLFP-1141	.180"
565	LLFP-1250	.290"

Flexible Alternatives to RG 405, 402 and 401 with improved attenuation

DESCRIPTION

Q-Flex® Plus assemblies offer even greater flexibility for semi-rigid equivalent flexible coax cables. The coax is very flexible, which allows you to bend it in a tight radius without a lot of spring back. As an example, Q-Flex® Plus 561 bend force and spring back properties are only half the amount of standard flexible 405 cable. This makes it great for applications such as missile gimbals, test and measurement devices, that are in tight quarters, and connections to circuit boards in tight locations, that cannot withstand the spring back force of a standard coax.

There is less than .05dB insertion loss with flexure, so your requirements for a stable cable are easily maintained. Stability under vibration is typically less than 0.1dB at 18 Ghz.

Q-Flex® Plus utilizes Tensolite's anti-torque SMA or SMP connectors, thus extending the cables useful life. Now you can meet deadlines, reduce cost, eliminate tooling, ease design, drafting, purchasing and manufacturing with Q-Flex® Plus.

APPLICATIONS

- Meets requirements for low insertion loss
- Low insertion loss with flexure
- Cost sensitive projects
- Quick turn around
- Emergency field replacement
- Replacement for custom designed flexible cables

FEATURES

- Stranded Center Conductor
- Low insertion loss with flexure
- Highly flexible polyurethane cable jacket
- 1/3 the cost of other assemblies
- Eliminates solder joint failures
- Cuts time and costs in design, drafting, purchasing and manufacturing
- Wide assortment IN STOCK for same day to 24 hour delivery
- Equipped with Tensolite's anti-torque SMA, SMP or connector of your choice

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

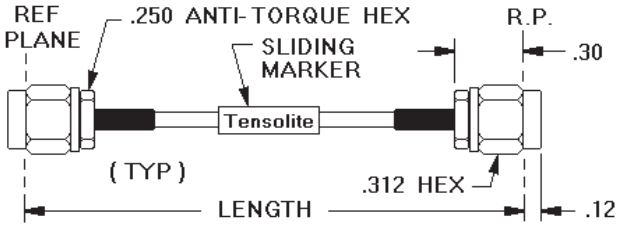
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12.4	18
MAX. CW WATTS --->	40	26	18	14	10	8

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.119	INCHES
MIN. BEND RADIUS:	0.60	INCHES
PREFERRED BEND RADIUS:	1.19	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE TO SMA MALE ON 561 Q-FLEX® PLUS CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-561- 5202	D	2.00	0.25	0.2	1.13	1.18	1.20	1.25	1.30	1.35	0.09	0.13	0.18	0.23	0.32	0.40	0.24	5.08
1-3636-561- 5203	D	3.00	0.25	0.2	1.13	1.18	1.20	1.25	1.30	1.35	0.11	0.16	0.22	0.28	0.40	0.50	0.36	7.62
1-3636-561- 5204	D	4.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.13	0.18	0.26	0.33	0.47	0.59	0.48	10.16
1-3636-561- 5205	D	5.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.15	0.21	0.31	0.38	0.55	0.69	0.60	12.70
1-3636-561- 5206	D	6.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.17	0.24	0.35	0.43	0.62	0.78	0.72	15.24
1-3636-561- 5207		7.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.19	0.27	0.39	0.48	0.70	0.88	0.84	17.78
1-3636-561- 5208	D	8.00	0.25	0.3	1.13	1.18	1.20	1.25	1.30	1.35	0.21	0.30	0.43	0.53	0.78	0.97	0.96	20.32
1-3636-561- 5209		9.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.23	0.33	0.47	0.58	0.85	1.07	1.08	22.86
1-3636-561- 5210		10.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.25	0.36	0.51	0.64	0.93	1.16	1.20	25.40
1-3636-561- 5211		11.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.27	0.38	0.55	0.69	1.00	1.26	1.32	27.94
1-3636-561- 5212	D	12.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.29	0.41	0.59	0.74	1.08	1.35	1.44	30.48
1-3636-561- 5213		13.00	0.25	0.4	1.13	1.18	1.20	1.25	1.30	1.35	0.31	0.44	0.63	0.79	1.15	1.45	1.56	33.02
1-3636-561- 5214		14.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.33	0.47	0.68	0.84	1.23	1.54	1.68	35.56
1-3636-561- 5215		15.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.35	0.50	0.72	0.89	1.30	1.64	1.80	38.10
1-3636-561- 5216		16.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.37	0.53	0.76	0.94	1.38	1.73	1.92	40.64
1-3636-561- 5217		17.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.39	0.55	0.80	0.99	1.45	1.83	2.04	43.18
1-3636-561- 5218	D	18.00	0.25	0.5	1.13	1.18	1.20	1.25	1.30	1.35	0.41	0.58	0.84	1.05	1.53	1.92	2.16	45.72
1-3636-561- 5219		19.00	0.25	0.6	1.13	1.18	1.20	1.25	1.30	1.35	0.43	0.61	0.88	1.10	1.60	2.02	2.28	48.26
1-3636-561- 5220		20.00	0.25	0.6	1.13	1.18	1.20	1.25	1.30	1.35	0.45	0.64	0.92	1.15	1.68	2.11	2.40	50.80
1-3636-561- 5221		21.00	0.25	0.6	1.13	1.18	1.20	1.25	1.30	1.35	0.47	0.67	0.96	1.20	1.75	2.21	2.52	53.34
1-3636-561- 5222		22.00	0.25	0.6	1.13	1.18	1.20	1.25	1.30	1.35	0.49	0.70	1.01	1.25	1.83	2.30	2.64	55.88
1-3636-561- 5223		23.00	0.25	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.50	0.72	1.05	1.30	1.90	2.40	2.76	58.42
1-3636-561- 5224	D	24.00	0.25	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.52	0.75	1.09	1.35	1.98	2.49	2.88	60.96
1-3636-561- 5225		25.00	0.25	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.54	0.78	1.13	1.40	2.06	2.59	3.00	63.50
1-3636-561- 5226		26.00	0.26	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.56	0.81	1.17	1.46	2.13	2.68	3.12	66.04
1-3636-561- 5227		27.00	0.27	0.7	1.13	1.18	1.20	1.25	1.30	1.35	0.58	0.84	1.21	1.51	2.21	2.78	3.24	68.58
1-3636-561- 5228		28.00	0.28	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.60	0.87	1.25	1.56	2.28	2.87	3.36	71.12
1-3636-561- 5229		29.00	0.29	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.62	0.90	1.29	1.61	2.36	2.97	3.48	73.66
1-3636-561- 5230		30.00	0.30	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.64	0.92	1.33	1.66	2.43	3.06	3.60	76.20
1-3636-561- 5231		31.00	0.31	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.66	0.95	1.38	1.71	2.51	3.16	3.71	78.74
1-3636-561- 5232		32.00	0.32	0.8	1.13	1.18	1.20	1.25	1.30	1.35	0.68	0.98	1.42	1.76	2.58	3.25	3.83	81.28
1-3636-561- 5233		33.00	0.33	0.9	1.13	1.18	1.20	1.25	1.30	1.35	0.70	1.01	1.46	1.81	2.66	3.35	3.95	83.82
1-3636-561- 5234		34.00	0.34	0.9	1.13	1.18	1.20	1.25	1.30	1.35	0.72	1.04	1.50	1.87	2.73	3.44	4.07	86.36
1-3636-561- 5235		35.00	0.35	0.9	1.13	1.18	1.20	1.25	1.30	1.35	0.74	1.07	1.54	1.92	2.81	3.54	4.19	88.90
1-3636-561- 5236		36.00	0.36	0.9	1.18	1.20	1.25	1.30	1.35	1.38	0.76	1.09	1.58	1.97	2.88	3.63	4.31	91.44
1-3636-561- 5239		39.00	0.39	1.0	1.18	1.20	1.25	1.30	1.35	1.38	0.82	1.18	1.70	2.12	3.11	3.92	4.67	99.06
1-3636-561- 5240		40.00	0.40	1.0	1.18	1.20	1.25	1.30	1.35	1.38	0.84	1.21	1.75	2.17	3.18	4.01	4.79	101.60
1-3636-561- 5241		41.00	0.41	1.0	1.18	1.20	1.25	1.30	1.35	1.38	0.86	1.24	1.79	2.22	3.26	4.11	4.91	104.14
1-3636-561- 5242		42.00	0.42	1.0	1.18	1.20	1.25	1.30	1.35	1.38	0.88	1.27	1.83	2.28	3.34	4.20	5.03	106.68
1-3636-561- 5248		48.00	0.48	1.2	1.18	1.20	1.25	1.30	1.35	1.38	1.00	1.44	2.08	2.58	3.79	4.77	5.75	121.92

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

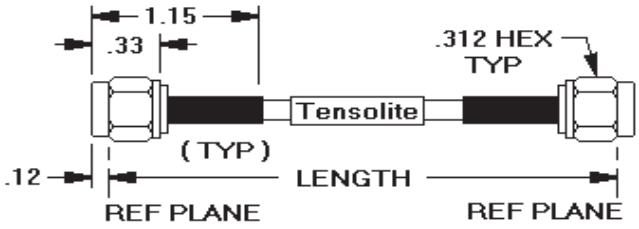
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:			50	OHMS		
CAPACITANCE NOMINAL:			29.4	pf/FOOT		
VELOCITY OF PROPAGATION, NOMINAL:			70.7	%		
RELATIVE SHIELDING:			-100	dB MIN.		
INSULATION RESISTANCE:			1000	MEGOHMS MIN.		
DIELECTRIC WITHSTANDING VOLTAGE:			1000	VRMS MIN.		
ELECTRICAL DELAY:			1.44	ns/FOOT		
ELECTRICAL DELAY:			120	ps/INCH		
MAX. PULSE RF POWER:			1695	WATTS		
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	129	62	42	34	23	18

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.180	INCHES
MIN. BEND RADIUS:	0.90	INCHES
PREFERRED BEND RADIUS:	1.80	INCHES
CONNECTOR RETENTION:	60	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +80	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348-310.1	

SMA MALE TO SMA MALE ON 563 Q-FLEX® PLUS CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3636-563- 3204		4.0	0.3	0.5	1.07	1.12	1.15	1.18	1.22	1.30	0.10	0.14	0.20	0.25	0.37	0.46	0.48	10.16
1-3636-563- 3205		5.0	0.3	0.5	1.07	1.12	1.15	1.18	1.22	1.30	0.11	0.16	0.23	0.28	0.41	0.52	0.60	12.70
1-3636-563- 3206		6.0	0.25	0.6	1.07	1.12	1.15	1.18	1.22	1.30	0.12	0.18	0.25	0.32	0.46	0.58	0.72	15.2
1-3636-563- 3207		7.0	0.25	0.6	1.07	1.12	1.15	1.18	1.22	1.30	0.13	0.19	0.28	0.35	0.51	0.64	0.84	17.8
1-3636-563- 3208		8.0	0.25	0.7	1.07	1.12	1.15	1.18	1.22	1.30	0.15	0.21	0.31	0.38	0.56	0.70	0.96	20.3
1-3636-563- 3209		9.0	0.25	0.7	1.07	1.12	1.15	1.18	1.22	1.30	0.16	0.23	0.33	0.41	0.61	0.76	1.08	22.9
1-3636-563- 3210		10.0	0.25	0.8	1.07	1.12	1.15	1.18	1.22	1.30	0.17	0.25	0.36	0.44	0.65	0.83	1.20	25.4
1-3636-563- 3211		11.0	0.25	0.8	1.07	1.12	1.15	1.18	1.22	1.30	0.18	0.26	0.38	0.48	0.70	0.89	1.32	27.9
1-3636-563- 3212		12.0	0.25	0.9	1.07	1.12	1.15	1.18	1.22	1.30	0.20	0.28	0.41	0.51	0.75	0.95	1.44	30.5
1-3636-563- 3213		13.0	0.25	1.0	1.07	1.12	1.15	1.18	1.22	1.30	0.21	0.30	0.43	0.54	0.80	1.01	1.56	33.0
1-3636-563- 3214		14.0	0.25	1.0	1.07	1.12	1.15	1.18	1.22	1.30	0.22	0.32	0.46	0.57	0.85	1.07	1.68	35.6
1-3636-563- 3215		15.0	0.25	1.1	1.07	1.12	1.15	1.18	1.22	1.30	0.23	0.33	0.48	0.61	0.89	1.13	1.80	38.1
1-3636-563- 3216		16.0	0.25	1.1	1.07	1.12	1.15	1.18	1.22	1.30	0.24	0.35	0.51	0.64	0.94	1.19	1.92	40.6
1-3636-563- 3217		17.0	0.25	1.2	1.07	1.12	1.15	1.18	1.22	1.30	0.26	0.37	0.54	0.67	0.99	1.26	2.04	43.2
1-3636-563- 3218		18.0	0.25	1.2	1.07	1.12	1.15	1.18	1.22	1.30	0.27	0.39	0.56	0.70	1.04	1.32	2.16	45.7
1-3636-563- 3219		19.0	0.25	1.3	1.07	1.12	1.15	1.18	1.22	1.30	0.28	0.40	0.59	0.73	1.09	1.38	2.28	48.3
1-3636-563- 3220		20.0	0.25	1.3	1.07	1.12	1.15	1.18	1.22	1.30	0.29	0.42	0.61	0.77	1.13	1.44	2.40	50.8
1-3636-563- 3221		21.0	0.25	1.4	1.07	1.12	1.15	1.18	1.22	1.30	0.30	0.44	0.64	0.80	1.18	1.50	2.52	53.3
1-3636-563- 3222		22.0	0.25	1.4	1.07	1.12	1.15	1.18	1.22	1.30	0.32	0.46	0.66	0.83	1.23	1.56	2.64	55.9
1-3636-563- 3223		23.0	0.25	1.5	1.07	1.12	1.15	1.18	1.22	1.30	0.33	0.47	0.69	0.86	1.28	1.62	2.76	58.4
1-3636-563- 3224		24.0	0.25	1.6	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.49	0.72	0.90	1.33	1.68	2.88	61.0
1-3636-563- 3225		25.0	0.25	1.6	1.07	1.12	1.15	1.18	1.22	1.30	0.35	0.51	0.74	0.93	1.38	1.75	3.00	63.5
1-3636-563- 3226		26.0	0.26	1.7	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.53	0.77	0.96	1.42	1.81	3.12	66.0
1-3636-563- 3227		27.0	0.27	1.7	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.54	0.79	0.99	1.47	1.87	3.24	68.6
1-3636-563- 3228		28.0	0.28	1.8	1.07	1.12	1.15	1.18	1.22	1.30	0.39	0.56	0.82	1.02	1.52	1.93	3.36	71.1
1-3636-563- 3229		29.0	0.29	1.8	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.58	0.84	1.06	1.57	1.99	3.48	73.7
1-3636-563- 3230		30.0	0.30	1.9	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.60	0.87	1.09	1.62	2.05	3.60	76.2
1-3636-563- 3233		33.0	0.33	2.0	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.65	0.95	1.19	1.76	2.24	3.95	83.8
1-3636-563- 3236		36.0	0.36	2.2	1.07	1.12	1.15	1.18	1.22	1.30	0.49	0.70	1.02	1.28	1.90	2.42	4.31	91.4
1-3636-563- 3239		39.0	0.39	2.4	1.07	1.12	1.15	1.18	1.22	1.30	0.52	0.75	1.10	1.38	2.05	2.61	4.67	99.1
1-3636-563- 3242		42.0	0.42	2.5	1.07	1.12	1.15	1.18	1.22	1.30	0.56	0.81	1.18	1.48	2.19	2.79	5.03	107
1-3636-563- 3245		45.0	0.45	2.7	1.07	1.12	1.15	1.18	1.22	1.30	0.59	0.86	1.25	1.57	2.34	2.97	5.39	114
1-3636-563- 3248		48.0	0.48	2.9	1.07	1.12	1.15	1.18	1.22	1.30	0.63	0.91	1.33	1.67	2.48	3.16	5.75	122
MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM																		
NOTE: PROCUCT VERIFICATION SPECIFICATION IS PRODUCT SPECIFICATION ABOVE PLUS MEASURING SYSTEM UNCERTAINTY AND TEST ADAPTER(S) BELOW																		
CONTRIBUTIONS ---------->					0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.08		
NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.																		
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.																		

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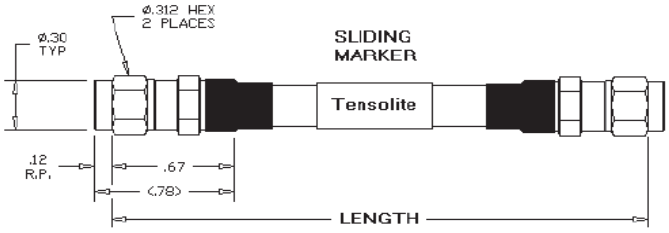
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

SMA MALE TO SMA MALE ON 565 Q-FLEX® PLUS CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:			50	OHMS		
CAPACITANCE NOMINAL:			29.4	pf/FOOT		
VELOCITY OF PROPAGATION, NOMINAL:			70.7	%		
RELATIVE SHIELDING:			-100.0	db MIN.		
INSULATION RESISTANCE:			1000	MEGOHMS MIN.		
DIELECTRIC WITHSTANDING VOLTAGE:			1500	VRMS MIN.		
ELECTRICAL DELAY NOMINAL:			1.44	ns/FOOT		
ELECTRICAL DELAY NOMINAL:			120	ps/INCH		
MAX. PULSE RF POWER:			3000	WATTS		
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4			
MAX. CW WATTS --->	208	141	94			

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.289	INCHES
MIN. BEND RADIUS:	1.45	INCHES
PREFERRED BEND RADIUS:	2.89	INCHES
CONNECTOR RETENTION:	80	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.) UP TO 1	1 TO 2	2 TO 4				MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.) UP TO 1	1 TO 2	2 TO 4				NOM DELAY nS	LENGTH CM
1-3636-565- 5103		3.00	0.05	0.5	1.10	1.15	1.25				0.10	0.13	0.18				0.36	7.6
1-3636-565- 5104		4.00	0.05	0.7	1.10	1.15	1.25				0.10	0.14	0.19				0.48	10.2
1-3636-565- 5105		5.00	0.05	0.8	1.10	1.15	1.25				0.11	0.15	0.21				0.60	12.7
1-3636-565- 5106		6.00	0.05	0.9	1.10	1.15	1.25				0.12	0.15	0.22				0.72	15.2
1-3636-565- 5107		7.00	0.10	1.0	1.10	1.15	1.25				0.12	0.16	0.23				0.84	17.8
1-3636-565- 5108		8.00	0.10	1.2	1.10	1.15	1.25				0.13	0.17	0.25				0.96	20.3
1-3636-565- 5109		9.00	0.10	1.3	1.10	1.15	1.25				0.13	0.18	0.26				1.08	22.9
1-3636-565- 5110		10.00	0.10	1.4	1.10	1.15	1.25				0.14	0.19	0.27				1.20	25.4
1-3636-565- 5111		11.00	0.10	1.5	1.10	1.15	1.25				0.15	0.20	0.29				1.32	27.9
1-3636-565- 5112		12.00	0.10	1.6	1.10	1.15	1.25				0.15	0.21	0.30				1.44	30.5
1-3636-565- 5113		13.00	0.15	1.8	1.10	1.15	1.25				0.16	0.22	0.31				1.56	33.0
1-3636-565- 5114		14.00	0.15	1.9	1.10	1.15	1.25				0.16	0.22	0.33				1.68	35.6
1-3636-565- 5115		15.00	0.15	2.0	1.10	1.15	1.25				0.17	0.23	0.34				1.80	38.1
1-3636-565- 5116		16.00	0.15	2.1	1.10	1.15	1.25				0.18	0.24	0.35				1.92	40.6
1-3636-565- 5117		17.00	0.15	2.2	1.10	1.15	1.25				0.18	0.25	0.37				2.04	43.2
1-3636-565- 5118		18.00	0.15	2.4	1.10	1.15	1.25				0.19	0.26	0.38				2.16	45.7
1-3636-565- 5119		19.00	0.15	2.5	1.10	1.15	1.25				0.19	0.27	0.39				2.28	48.3
1-3636-565- 5120		20.00	0.15	2.6	1.10	1.15	1.25				0.20	0.28	0.41				2.40	50.8
1-3636-565- 5121		21.00	0.15	2.7	1.10	1.15	1.25				0.21	0.29	0.42				2.52	53.3
1-3636-565- 5122		22.00	0.15	2.8	1.10	1.15	1.25				0.21	0.30	0.43				2.64	55.9
1-3636-565- 5123		23.00	0.15	3.0	1.10	1.15	1.25				0.22	0.30	0.45				2.76	58.4
1-3636-565- 5124		24.00	0.20	3.1	1.10	1.15	1.25				0.22	0.31	0.46				2.88	61.0
1-3636-565- 5125		25.00	0.20	3.2	1.10	1.15	1.25				0.23	0.32	0.47				3.00	63.5
1-3636-565- 5128		28.00	0.20	3.6	1.10	1.15	1.25				0.25	0.35	0.51				3.36	71.1
1-3636-565- 5129		29.00	0.20	3.7	1.10	1.15	1.25				0.25	0.36	0.53				3.48	73.7
1-3636-565- 5131		31.00	0.20	3.9	1.10	1.15	1.25				0.27	0.38	0.55				3.71	78.7
1-3636-565- 5134		34.00	0.20	4.3	1.10	1.15	1.25				0.28	0.40	0.59				4.07	86.4
1-3636-565- 5137		37.00	0.20	4.7	1.10	1.15	1.25				0.30	0.43	0.63				4.43	94.0
1-3636-565- 5140		40.00	0.20	5.0	1.10	1.15	1.25				0.32	0.46	0.67				4.79	101.6
1-3636-565- 5143		43.00	0.20	5.4	1.10	1.15	1.25				0.34	0.48	0.71				5.15	109
1-3636-565- 5146		46.00	0.20	5.8	1.10	1.15	1.25				0.36	0.51	0.75				5.51	117
1-3636-565- 5148		48.00	0.25	6.0	1.10	1.15	1.25				0.37	0.53	0.78				5.75	122

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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SEMI-FLEX® SERIES

Assembly Cable Code	Bulk Cable P/N	OD
604	7-1114-604-18	.047"
600	7-1114-600-18	.087"
601	7-1114-601-18	.141"
606	7-1114-606-18	.250"

DESCRIPTION

SEMI-FLEX® is a unique ALTERNATIVE to the use of semi-rigid coax. A tin filled wire braid outer conductor allows easy flexing and re-bending by hand. A solid copper secondary outer conductor and semi-rigid style core ensure electrical performance comparable to semi-rigid.

No significant electrical degradation occurs when SEMI-FLEX® is formed! The cable retains its' shape, making installations simple. The malleable outer jacket virtually eliminates solder joint failures. Specifying Tensolite's high performance anti-torque SMA remarkably extends the cables' useful life.

Now you can meet deadlines, reduce costs, eliminate tooling, ease design, drafting, purchasing and manufacturing problems all at once with SEMI-FLEX®.

APPLICATIONS

- Replacement for OEM semi-rigid
- RFI and leakage sensitive areas
- Low cost, temporary port extensions
- Breadboarding and design phase
- Emergency field replacement
- Replacement for many flexible cables

FEATURES

- Bends easily by hand with minimum degradation
- Electrical performance comparable to semi-rigid
- 100% shielded, 3 metal outer conductors for low leakage
- Eliminates tooling
- Eliminates solder joint failures
- Cuts time and costs in design, drafting, purchasing and manufacturing
- Wide assortment IN STOCK for same day to 24 hour delivery
- Equipped with Tensolite's anti-torque SMA for long life

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

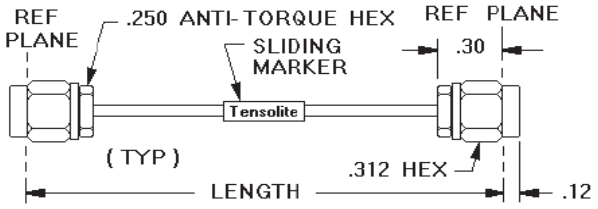
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.7	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				500	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				500	WATTS	
(INTO A 50 OHM SYSTEM, WITH A PULSE LESS THAN 20% DURATION)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	29	20	14	12	8	6

PHASE STABILITY DEG
LOSS STABILITY dB
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.052	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	20	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE TO SMA MALE ON 604 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-604- 5202		2.00	0.05	0.19	1.10	1.15	1.20	1.25	1.30	1.35	0.15	0.46	0.27	0.33	0.46	0.59	0.24	5.1
1-3636-604- 5203		3.00	0.05	0.20	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.51	0.34	0.41	0.58	0.74	0.36	7.6
1-3636-604- 5204		4.00	0.05	0.20	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.56	0.41	0.50	0.70	0.89	0.48	10.2
1-3636-604- 5205		5.0	0.10	0.21	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.61	0.48	0.58	0.82	1.04	0.60	12.7
1-3636-604- 5206	S	6.0	0.10	0.21	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.65	0.54	0.66	0.94	1.19	0.72	15.2
1-3636-604- 5207		7.0	0.10	0.22	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.70	0.61	0.74	1.06	1.34	0.84	17.8
1-3636-604- 5208		8.0	0.10	0.22	1.10	1.15	1.20	1.25	1.30	1.35	0.34	0.75	0.68	0.83	1.18	1.49	0.96	20.3
1-3636-604- 5209	S	9.0	0.10	0.23	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.79	0.75	0.91	1.30	1.64	1.08	22.9
1-3636-604- 5210		10.0	0.10	0.23	1.10	1.15	1.20	1.25	1.30	1.35	0.41	0.84	0.81	0.99	1.42	1.79	1.20	25.4
1-3636-604- 5211		11.0	0.15	0.24	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.89	0.88	1.08	1.54	1.94	1.32	27.9
1-3636-604- 5212	S	12.0	0.15	0.25	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.93	0.95	1.16	1.66	2.09	1.44	30.5
1-3636-604- 5213		13.0	0.15	0.25	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.98	1.01	1.24	1.78	2.24	1.56	33.0
1-3636-604- 5214		14.0	0.15	0.26	1.10	1.15	1.20	1.25	1.30	1.35	0.54	1.03	1.08	1.33	1.90	2.39	1.68	35.6
1-3636-604- 5215		15.0	0.15	0.26	1.10	1.15	1.20	1.25	1.30	1.35	0.57	1.08	1.15	1.41	2.02	2.53	1.80	38.1
1-3636-604- 5216		16.0	0.15	0.27	1.10	1.15	1.20	1.25	1.30	1.35	0.61	1.12	1.22	1.49	2.14	2.68	1.92	40.6
1-3636-604- 5217		17.0	0.15	0.27	1.10	1.15	1.20	1.25	1.30	1.35	0.64	1.17	1.28	1.58	2.26	2.83	2.04	43.2
1-3636-604- 5218	S	18.0	0.15	0.28	1.10	1.15	1.20	1.25	1.30	1.35	0.67	1.22	1.35	1.66	2.38	2.98	2.16	45.7
1-3636-604- 5219		19.0	0.15	0.28	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.26	1.42	1.74	2.50	3.13	2.28	48.3
1-3636-604- 5220		20.0	0.15	0.29	1.10	1.15	1.20	1.25	1.30	1.35	0.74	1.31	1.49	1.83	2.62	3.28	2.40	50.8
1-3636-604- 5221		21.0	0.15	0.29	1.10	1.15	1.20	1.25	1.30	1.35	0.77	1.36	1.55	1.91	2.74	3.43	2.52	53.3
1-3636-604- 5222		22.0	0.15	0.30	1.10	1.15	1.20	1.25	1.30	1.35	0.80	1.40	1.62	1.99	2.86	3.58	2.64	55.9
1-3636-604- 5223		23.0	0.15	0.31	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.45	1.69	2.07	2.98	3.73	2.76	58.4
1-3636-604- 5224	S	24.0	0.15	0.31	1.10	1.15	1.20	1.25	1.30	1.35	0.87	1.50	1.75	2.16	3.10	3.88	2.88	61.0
1-3636-604- 5225		25.0	0.15	0.32	1.10	1.15	1.20	1.25	1.30	1.35	0.90	1.55	1.82	2.24	3.22	4.03	3.00	63.5
1-3636-604- 5226		26.0	0.15	0.32	1.10	1.15	1.20	1.25	1.30	1.35	0.94	1.59	1.89	2.32	3.34	4.18	3.12	66.0
1-3636-604- 5227		27.0	0.15	0.33	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.64	1.96	2.41	3.46	4.33	3.24	68.6
1-3636-604- 5228		28.0	0.15	0.33	1.10	1.15	1.20	1.25	1.30	1.35	1.00	1.69	2.02	2.49	3.58	4.48	3.36	71.1
1-3636-604- 5229		29.0	0.15	0.34	1.10	1.15	1.20	1.25	1.30	1.35	1.04	1.73	2.09	2.57	3.70	4.63	3.48	73.7
1-3636-604- 5230		30.0	0.15	0.34	1.10	1.15	1.20	1.25	1.30	1.35	1.07	1.78	2.16	2.66	3.82	4.78	3.60	76.2
1-3636-604- 5231		31.0	0.15	0.35	1.10	1.15	1.20	1.25	1.30	1.35	1.10	1.83	2.23	2.74	3.94	4.93	3.71	78.7
1-3636-604- 5232		32.0	0.15	0.35	1.10	1.15	1.20	1.25	1.30	1.35	1.13	1.87	2.29	2.82	4.06	5.08	3.83	81.3
1-3636-604- 5233		33.0	0.15	0.36	1.10	1.15	1.20	1.25	1.30	1.35	1.17	1.92	2.36	2.91	4.18	5.23	3.95	83.8
1-3636-604- 5234		34.0	0.15	0.37	1.10	1.15	1.20	1.25	1.30	1.35	1.20	1.97	2.43	2.99	4.30	5.37	4.07	86.4
1-3636-604- 5235		35.0	0.15	0.37	1.10	1.15	1.20	1.25	1.30	1.35	1.23	2.02	2.49	3.07	4.42	5.52	4.19	88.9
1-3636-604- 5236	S	36.0	0.20	0.38	1.13	1.18	1.25	1.28	1.33	1.38	1.27	2.06	2.56	3.16	4.54	5.67	4.31	91.4
1-3636-604- 5237		37.0	0.20	0.38	1.13	1.18	1.25	1.28	1.33	1.38	1.30	2.11	2.63	3.24	4.66	5.82	4.43	94.0
1-3636-604- 5238		38.0	0.20	0.39	1.13	1.18	1.25	1.28	1.33	1.38	1.33	2.16	2.70	3.32	4.78	5.97	4.55	96.5
1-3636-604- 5239		39.4	0.20	0.40	1.15	1.20	1.28	1.30	1.35	1.40	1.38	2.22	2.79	3.44	4.95	6.18	4.72	100.0
1-3636-604- 5240		40.0	0.20	0.40	1.15	1.20	1.28	1.30	1.35	1.40	1.40	2.25	2.83	3.49	5.02	6.27	4.79	101.6
1-3636-604- 5241		41.0	0.20	0.40	1.15	1.20	1.28	1.30	1.35	1.40	1.43	2.30	2.90	3.57	5.14	6.42	4.91	104.1
1-3636-604- 5242		42.0	0.20	0.41	1.15	1.20	1.28	1.30	1.35	1.40	1.46	2.34	2.97	3.65	5.26	6.57	5.03	106.7
1-3636-604- 5243		43.0	0.20	0.42	1.15	1.20	1.28	1.30	1.35	1.40	1.50	2.39	3.03	3.74	5.38	6.72	5.15	109.2
1-3636-604- 5244		44.0	0.20	0.42	1.15	1.20	1.28	1.30	1.35	1.40	1.53	2.44	3.10	3.82	5.50	6.87	5.27	111.8
1-3636-604- 5245		45.0	0.20	0.43	1.15	1.20	1.28	1.30	1.35	1.40	1.56	2.49	3.17	3.90	5.62	7.02	5.39	114.3
1-3636-604- 5246		46.0	0.20	0.43	1.15	1.20	1.28	1.30	1.35	1.40	1.60	2.53	3.23	3.99	5.74	7.17	5.51	116.8
1-3636-604- 5247		47.0	0.20	0.44	1.15	1.20	1.28	1.30	1.35	1.40	1.63	2.58	3.30	4.07	5.86	7.32	5.63	119.4
1-3636-604- 5248	S	48.0	0.20	0.44	1.15	1.20	1.28	1.30	1.35	1.40	1.66	2.63	3.37	4.15	5.98	7.47	5.75	121.9
1-3636-604- 5260	S	60.0	0.20	0.51	1.15	1.20	1.28	1.30	1.35	1.40	2.06	3.19	4.18	5.15	7.42	9.26	7.19	152.4
1-3636-604- 5272	S	72.0	0.20	0.57	1.15	1.20	1.28	1.30	1.35	1.40	2.45	3.75	4.98	6.15	8.86	11.05	8.63	182.9

S =STOCKED ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

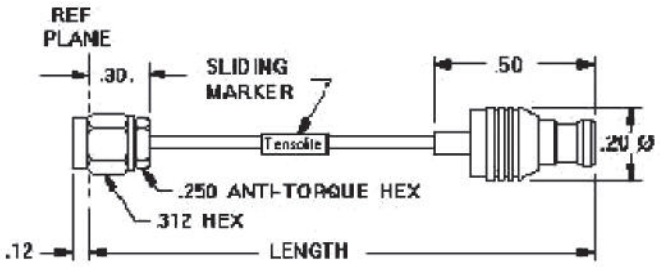
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
RELATIVE SHIELDING:				70.7	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				-100	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				500	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6		
MAX. CW WATTS --->	32	22	15	13		

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.047	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	20	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
SMA MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	CECC 2220

SMA MALE TO MCX MALE ON 604 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
BOOTS:	NONE	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
MCX BODY:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	QQ-9-35, PASSIVATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35, PASSIVATED
SMA CONTACT:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER	LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
				UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6			
1-36M6-604- 5202	2.0	0.05	0.2	1.13	1.17	1.21	1.23	1.30		0.18	0.24	0.29	0.33	0.41		0.24	5.1
1-36M6-604- 5203	3.0	0.05	0.2	1.13	1.17	1.21	1.23	1.30		0.21	0.28	0.35	0.40	0.50		0.36	7.6
1-36M6-604- 5204	4.0	0.05	0.2	1.13	1.17	1.21	1.23	1.30		0.24	0.33	0.41	0.47	0.58		0.48	10.2
1-36M6-604- 5205	5.0	0.05	0.3	1.13	1.17	1.21	1.23	1.30		0.27	0.38	0.47	0.54	0.66		0.60	12.7
1-36M6-604- 5206	6.0	0.05	0.3	1.13	1.17	1.21	1.23	1.30		0.31	0.43	0.53	0.60	0.74		0.72	15.2
1-36M6-604- 5207	7.0	0.10	0.3	1.13	1.17	1.21	1.23	1.30		0.34	0.47	0.58	0.67	0.83		0.84	17.8
1-36M6-604- 5208	8.0	0.10	0.3	1.13	1.17	1.21	1.23	1.30		0.37	0.52	0.64	0.74	0.91		0.96	20.3
1-36M6-604- 5209	9.0	0.10	0.3	1.13	1.17	1.21	1.23	1.30		0.41	0.57	0.70	0.81	0.99		1.08	22.9
1-36M6-604- 5210	10.0	0.10	0.3	1.13	1.17	1.21	1.23	1.30		0.44	0.61	0.76	0.87	1.08		1.20	25.4
1-36M6-604- 5211	11.0	0.10	0.3	1.13	1.17	1.21	1.23	1.30		0.47	0.66	0.82	0.94	1.16		1.32	27.9
1-36M6-604- 5212	12.0	0.10	0.3	1.13	1.17	1.21	1.23	1.30		0.51	0.71	0.87	1.01	1.24		1.44	30.5
1-36M6-604- 5213	13.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.54	0.75	0.93	1.07	1.33		1.56	33.0
1-36M6-604- 5214	14.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.57	0.80	0.99	1.14	1.41		1.68	35.6
1-36M6-604- 5215	15.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.60	0.85	1.05	1.21	1.49		1.80	38.1
1-36M6-604- 5216	16.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.64	0.90	1.11	1.28	1.58		1.92	40.6
1-36M6-604- 5217	17.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.67	0.94	1.16	1.34	1.66		2.04	43.2
1-36M6-604- 5218	18.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.70	0.99	1.22	1.41	1.74		2.16	45.7
1-36M6-604- 5219	19.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.74	1.04	1.28	1.48	1.83		2.28	48.3
1-36M6-604- 5220	20.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.77	1.08	1.34	1.55	1.91		2.40	50.8
1-36M6-604- 5221	21.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.80	1.13	1.40	1.61	1.99		2.52	53.3
1-36M6-604- 5222	22.0	0.15	0.3	1.13	1.17	1.21	1.23	1.30		0.83	1.18	1.45	1.68	2.08		2.64	55.9
1-36M6-604- 5223	23.0	0.15	0.4	1.13	1.17	1.21	1.23	1.30		0.87	1.22	1.51	1.75	2.16		2.76	58.4
1-36M6-604- 5224	24.0	0.20	0.4	1.13	1.17	1.21	1.23	1.30		0.90	1.27	1.57	1.81	2.24		2.88	61.0
1-36M6-604- 5227	27.0	0.20	0.4	1.13	1.17	1.21	1.23	1.30		1.00	1.41	1.74	2.02	2.49		3.24	68.6
1-36M6-604- 5230	30.0	0.20	0.4	1.13	1.17	1.21	1.23	1.30		1.10	1.55	1.92	2.22	2.74		3.60	76.2
1-36M6-604- 5233	33.0	0.20	0.4	1.13	1.17	1.21	1.23	1.30		1.20	1.69	2.09	2.42	2.99		3.95	83.8
1-36M6-604- 5236	36.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		1.30	1.83	2.26	2.62	3.24		4.31	91.4
1-36M6-604- 5239	39.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		1.39	1.98	2.44	2.82	3.49		4.67	99.1
1-36M6-604- 5242	42.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		1.49	2.12	2.61	3.03	3.74		5.03	106.7
1-36M6-604- 5245	45.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		1.59	2.26	2.79	3.23	3.99		5.39	114.3
1-36M6-604- 5248	48.0	0.30	0.5	1.13	1.17	1.21	1.23	1.30		1.69	2.40	2.96	3.43	4.24		5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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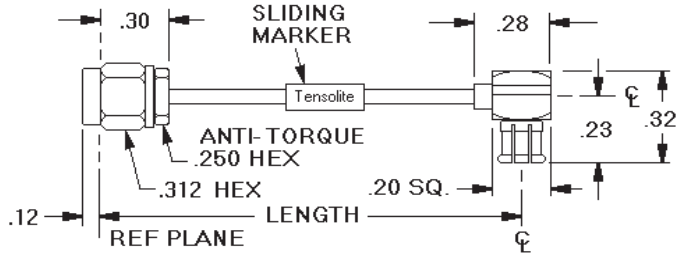
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
RELATIVE SHIELDING:				70.7	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				-100	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				500	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6		
MAX. CW WATTS --->	32	22	15	13		

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.047	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	20	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
SMA MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	CECC 2220

SMA MALE TO MCX MALE RT.< ON 604 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
BOOTS:	NONE	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
MCX BODY:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	QQ-9-35, PASSIVATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35, PASSIVATED
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS					S21 AND S12 CHARACTERISTICS						
PART NUMBER	LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)					MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)					NOM DELAY nS	LENGTH CM
				UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6	UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		
1-36M7-604- 5202	2.0	0.05	0.2	1.15	1.20	1.25	1.30	1.35	0.18	0.24	0.29	0.33	0.41	0.24	5.1
1-36M7-604- 5203	3.0	0.05	0.2	1.15	1.20	1.25	1.30	1.35	0.21	0.28	0.35	0.40	0.50	0.36	7.6
1-36M7-604- 5204	4.0	0.05	0.2	1.15	1.20	1.25	1.30	1.35	0.24	0.33	0.41	0.47	0.58	0.48	10.2
1-36M7-604- 5205	5.0	0.05	0.3	1.15	1.20	1.25	1.30	1.35	0.27	0.38	0.47	0.54	0.66	0.60	12.7
1-36M7-604- 5206	6.0	0.05	0.3	1.15	1.20	1.25	1.30	1.35	0.31	0.43	0.53	0.60	0.74	0.72	15.2
1-36M7-604- 5207	7.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35	0.34	0.47	0.58	0.67	0.83	0.84	17.8
1-36M7-604- 5208	8.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35	0.37	0.52	0.64	0.74	0.91	0.96	20.3
1-36M7-604- 5209	9.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35	0.41	0.57	0.70	0.81	0.99	1.08	22.9
1-36M7-604- 5210	10.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35	0.44	0.61	0.76	0.87	1.08	1.20	25.4
1-36M7-604- 5211	11.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35	0.47	0.66	0.82	0.94	1.16	1.32	27.9
1-36M7-604- 5212	12.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35	0.51	0.71	0.87	1.01	1.24	1.44	30.5
1-36M7-604- 5213	13.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.54	0.75	0.93	1.07	1.33	1.56	33.0
1-36M7-604- 5214	14.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.57	0.80	0.99	1.14	1.41	1.68	35.6
1-36M7-604- 5215	15.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.60	0.85	1.05	1.21	1.49	1.80	38.1
1-36M7-604- 5216	16.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.64	0.90	1.11	1.28	1.58	1.92	40.6
1-36M7-604- 5217	17.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.67	0.94	1.16	1.34	1.66	2.04	43.2
1-36M7-604- 5218	18.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.70	0.99	1.22	1.41	1.74	2.16	45.7
1-36M7-604- 5219	19.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.74	1.04	1.28	1.48	1.83	2.28	48.3
1-36M7-604- 5220	20.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.77	1.08	1.34	1.55	1.91	2.40	50.8
1-36M7-604- 5221	21.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.80	1.13	1.40	1.61	1.99	2.52	53.3
1-36M7-604- 5222	22.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35	0.83	1.18	1.45	1.68	2.08	2.64	55.9
1-36M7-604- 5223	23.0	0.15	0.4	1.15	1.20	1.25	1.30	1.35	0.87	1.22	1.51	1.75	2.16	2.76	58.4
1-36M7-604- 5224	24.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35	0.90	1.27	1.57	1.81	2.24	2.88	61.0
1-36M7-604- 5227	27.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35	1.00	1.41	1.74	2.02	2.49	3.24	68.6
1-36M7-604- 5230	30.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35	1.10	1.55	1.92	2.22	2.74	3.60	76.2
1-36M7-604- 5233	33.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35	1.20	1.69	2.09	2.42	2.99	3.95	83.8
1-36M7-604- 5236	36.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35	1.30	1.83	2.26	2.62	3.24	4.31	91.4
1-36M7-604- 5239	39.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35	1.39	1.98	2.44	2.82	3.49	4.67	99.1
1-36M7-604- 5242	42.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35	1.49	2.12	2.61	3.03	3.74	5.03	106.7
1-36M7-604- 5245	45.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35	1.59	2.26	2.79	3.23	3.99	5.39	114.3
1-36M7-604- 5248	48.0	0.30	0.5	1.15	1.20	1.25	1.30	1.35	1.69	2.40	2.96	3.43	4.24	5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

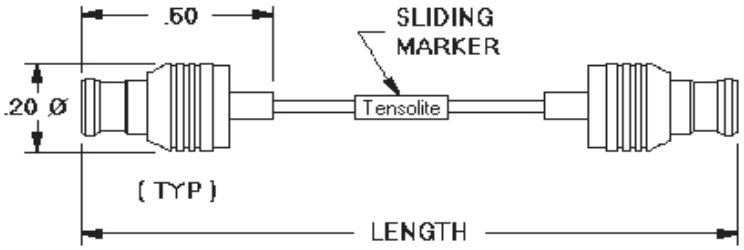
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.7	pf/FOOT	
RELATIVE SHIELDING:				> -100	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				500	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	0.5	1	2	4	6	
MAX. CW WATTS --->	45	33	20	17	13	

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.047	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-55/+105	DEGREES C
MATING TORQUE:	N/A	INCH POUNDS
CONNECTOR INTERFACES:		CECC 2220

MCX MALE TO MCX MALE ON 604 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
BODIES:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS					S21 AND S12 CHARACTERISTICS							
PART NUMBER	LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)					MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
				UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6	UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6			
1-M6M6-604- 3202	2.0	0.05	0.3	1.13	1.17	1.21	1.23	1.30	0.20	0.27	0.33	0.37	0.46		0.24	5.1
1-M6M6-604- 3203	3.0	0.05	0.3	1.13	1.17	1.21	1.23	1.30	0.23	0.31	0.39	0.44	0.54		0.36	7.6
1-M6M6-604- 3204	4.0	0.05	0.3	1.13	1.17	1.21	1.23	1.30	0.26	0.36	0.44	0.51	0.63		0.48	10.2
1-M6M6-604- 3205	5.0	0.05	0.3	1.13	1.17	1.21	1.23	1.30	0.29	0.41	0.50	0.58	0.71		0.60	12.7
1-M6M6-604- 3206	6.0	0.10	0.3	1.13	1.17	1.21	1.23	1.30	0.33	0.45	0.56	0.64	0.79		0.72	15.2
1-M6M6-604- 3207	7.0	0.10	0.3	1.13	1.17	1.21	1.23	1.30	0.36	0.50	0.62	0.71	0.88		0.84	17.8
1-M6M6-604- 3208	8.0	0.10	0.3	1.13	1.17	1.21	1.23	1.30	0.39	0.55	0.68	0.78	0.96		0.96	20.3
1-M6M6-604- 3209	9.0	0.10	0.4	1.13	1.17	1.21	1.23	1.30	0.43	0.59	0.73	0.85	1.04		1.08	22.9
1-M6M6-604- 3210	10.0	0.10	0.4	1.13	1.17	1.21	1.23	1.30	0.46	0.64	0.79	0.91	1.13		1.20	25.4
1-M6M6-604- 3211	11.0	0.10	0.4	1.13	1.17	1.21	1.23	1.30	0.49	0.69	0.85	0.98	1.21		1.32	27.9
1-M6M6-604- 3212	12.0	0.15	0.4	1.13	1.17	1.21	1.23	1.30	0.53	0.74	0.91	1.05	1.29		1.44	30.5
1-M6M6-604- 3213	13.0	0.15	0.4	1.13	1.17	1.21	1.23	1.30	0.56	0.78	0.97	1.11	1.38		1.56	33.0
1-M6M6-604- 3214	14.0	0.15	0.4	1.13	1.17	1.21	1.23	1.30	0.59	0.83	1.02	1.18	1.46		1.68	35.6
1-M6M6-604- 3215	15.0	0.15	0.4	1.13	1.17	1.21	1.23	1.30	0.62	0.88	1.08	1.25	1.54		1.80	38.1
1-M6M6-604- 3216	16.0	0.15	0.5	1.13	1.17	1.21	1.23	1.30	0.66	0.92	1.14	1.32	1.63		1.92	40.6
1-M6M6-604- 3217	17.0	0.15	0.5	1.13	1.17	1.21	1.23	1.30	0.69	0.97	1.20	1.38	1.71		2.04	43.2
1-M6M6-604- 3218	18.0	0.15	0.5	1.13	1.17	1.21	1.23	1.30	0.72	1.02	1.26	1.45	1.79		2.16	45.7
1-M6M6-604- 3219	19.0	0.15	0.5	1.13	1.17	1.21	1.23	1.30	0.76	1.06	1.31	1.52	1.87		2.28	48.3
1-M6M6-604- 3220	20.0	0.15	0.5	1.13	1.17	1.21	1.23	1.30	0.79	1.11	1.37	1.59	1.96		2.40	50.8
1-M6M6-604- 3221	21.0	0.15	0.5	1.13	1.17	1.21	1.23	1.30	0.82	1.16	1.43	1.65	2.04		2.52	53.3
1-M6M6-604- 3222	22.0	0.15	0.6	1.13	1.17	1.21	1.23	1.30	0.85	1.21	1.49	1.72	2.12		2.64	55.9
1-M6M6-604- 3223	23.0	0.15	0.6	1.13	1.17	1.21	1.23	1.30	0.89	1.25	1.55	1.79	2.21		2.76	58.4
1-M6M6-604- 3224	24.0	0.20	0.6	1.13	1.17	1.21	1.23	1.30	0.92	1.30	1.60	1.85	2.29		2.88	61.0
1-M6M6-604- 3227	27.0	0.20	0.6	1.13	1.17	1.21	1.23	1.30	1.02	1.44	1.78	2.06	2.54		3.24	68.6
1-M6M6-604- 3230	30.0	0.20	0.7	1.13	1.17	1.21	1.23	1.30	1.12	1.58	1.95	2.26	2.79		3.60	76.2
1-M6M6-604- 3233	33.0	0.20	0.7	1.13	1.17	1.21	1.23	1.30	1.22	1.72	2.13	2.46	3.04		3.95	83.8
1-M6M6-604- 3236	36.0	0.25	0.8	1.13	1.17	1.21	1.23	1.30	1.32	1.86	2.30	2.66	3.29		4.31	91.4
1-M6M6-604- 3239	39.0	0.25	0.8	1.13	1.17	1.21	1.23	1.30	1.41	2.00	2.47	2.86	3.54		4.67	99.1
1-M6M6-604- 3242	42.0	0.25	0.8	1.13	1.17	1.21	1.23	1.30	1.51	2.15	2.65	3.07	3.79		5.03	106.7
1-M6M6-604- 3245	45.0	0.25	0.9	1.13	1.17	1.21	1.23	1.30	1.61	2.29	2.82	3.27	4.04		5.39	114.3
1-M6M6-604- 3248	48.0	0.30	0.9	1.13	1.17	1.21	1.23	1.30	1.71	2.43	2.99	3.47	4.29		5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

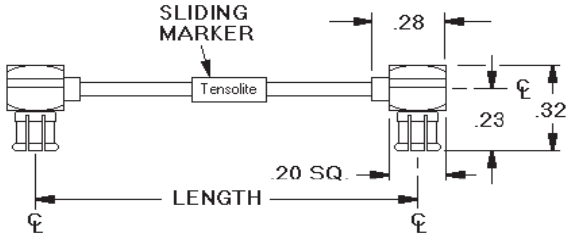
NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

MCX MALE RT.< TO MCX MALE RT.< ON 604 SEMI-FLEX® CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
RELATIVE SHIELDING:				70.7	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				-100	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				500	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6		
MAX. CW WATTS --->	32	22	15	13		

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.047	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	20	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
SMA MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:		CECC 2220

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
BOOTS:	NONE	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
MCX BODY:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6			
1-M7M7-604- 3202		2.0	0.05	0.2	1.15	1.20	1.25	1.30	1.35		0.18	0.24	0.29	0.33	0.41		0.24	5.1
1-M7M7-604- 3203		3.0	0.05	0.2	1.15	1.20	1.25	1.30	1.35		0.21	0.28	0.35	0.40	0.50		0.36	7.6
1-M7M7-604- 3204		4.0	0.05	0.2	1.15	1.20	1.25	1.30	1.35		0.24	0.33	0.41	0.47	0.58		0.48	10.2
1-M7M7-604- 3205		5.0	0.05	0.3	1.15	1.20	1.25	1.30	1.35		0.27	0.38	0.47	0.54	0.66		0.60	12.7
1-M7M7-604- 3206		6.0	0.05	0.3	1.15	1.20	1.25	1.30	1.35		0.31	0.43	0.53	0.60	0.74		0.72	15.2
1-M7M7-604- 3207		7.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.34	0.47	0.58	0.67	0.83		0.84	17.8
1-M7M7-604- 3208		8.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.37	0.52	0.64	0.74	0.91		0.96	20.3
1-M7M7-604- 3209		9.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.41	0.57	0.70	0.81	0.99		1.08	22.9
1-M7M7-604- 3210		10.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.44	0.61	0.76	0.87	1.08		1.20	25.4
1-M7M7-604- 3211		11.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.47	0.66	0.82	0.94	1.16		1.32	27.9
1-M7M7-604- 3212		12.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.51	0.71	0.87	1.01	1.24		1.44	30.5
1-M7M7-604- 3213		13.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.54	0.75	0.93	1.07	1.33		1.56	33.0
1-M7M7-604- 3214		14.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.57	0.80	0.99	1.14	1.41		1.68	35.6
1-M7M7-604- 3215		15.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.60	0.85	1.05	1.21	1.49		1.80	38.1
1-M7M7-604- 3216		16.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.64	0.90	1.11	1.28	1.58		1.92	40.6
1-M7M7-604- 3217		17.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.67	0.94	1.16	1.34	1.66		2.04	43.2
1-M7M7-604- 3218		18.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.70	0.99	1.22	1.41	1.74		2.16	45.7
1-M7M7-604- 3219		19.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.74	1.04	1.28	1.48	1.83		2.28	48.3
1-M7M7-604- 3220		20.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.77	1.08	1.34	1.55	1.91		2.40	50.8
1-M7M7-604- 3221		21.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.80	1.13	1.40	1.61	1.99		2.52	53.3
1-M7M7-604- 3222		22.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.83	1.18	1.45	1.68	2.08		2.64	55.9
1-M7M7-604- 3223		23.0	0.15	0.4	1.15	1.20	1.25	1.30	1.35		0.87	1.22	1.51	1.75	2.16		2.76	58.4
1-M7M7-604- 3224		24.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35		0.90	1.27	1.57	1.81	2.24		2.88	61.0
1-M7M7-604- 3227		27.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35		1.00	1.41	1.74	2.02	2.49		3.24	68.6
1-M7M7-604- 3230		30.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35		1.10	1.55	1.92	2.22	2.74		3.60	76.2
1-M7M7-604- 3233		33.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35		1.20	1.69	2.09	2.42	2.99		3.95	83.8
1-M7M7-604- 3236		36.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		1.30	1.83	2.26	2.62	3.24		4.31	91.4
1-M7M7-604- 3239		39.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		1.39	1.98	2.44	2.82	3.49		4.67	99.1
1-M7M7-604- 3242		42.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		1.49	2.12	2.61	3.03	3.74		5.03	106.7
1-M7M7-604- 3245		45.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		1.59	2.26	2.79	3.23	3.99		5.39	114.3
1-M7M7-604- 3248		48.0	0.30	0.5	1.15	1.20	1.25	1.30	1.35		1.69	2.40	2.96	3.43	4.24		5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

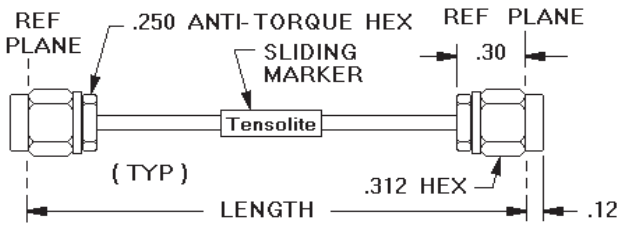
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	79	54	37	30	20	15
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.090	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE TO SMA MALE ON 600 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
CONNECTOR BODIES:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
CONNECTOR NUTS:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-600- 5202	D	2.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.13	0.18	0.22	0.31	0.40	0.24	5.1
1-3636-600- 5203	D	3.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.12	0.16	0.22	0.27	0.38	0.50	0.36	7.6
1-3636-600- 5204	D	4.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.18	0.26	0.32	0.46	0.60	0.48	10.2
1-3636-600- 5205	D	5.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.21	0.30	0.37	0.53	0.69	0.60	12.7
1-3636-600- 5206	D	6.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.24	0.34	0.42	0.61	0.79	0.72	15.2
1-3636-600- 5207		7.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.27	0.38	0.47	0.69	0.89	0.84	17.8
1-3636-600- 5208	D	8.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.29	0.42	0.52	0.76	0.99	0.96	20.3
1-3636-600- 5209		9.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.32	0.46	0.57	0.84	1.08	1.08	22.9
1-3636-600- 5210		10.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.35	0.50	0.62	0.92	1.18	1.20	25.4
1-3636-600- 5211		11.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.55	0.67	0.99	1.28	1.32	27.9
1-3636-600- 5212	D	12.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.40	0.59	0.72	1.07	1.38	1.44	30.5
1-3636-600- 5213		13.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.43	0.63	0.77	1.14	1.47	1.56	33.0
1-3636-600- 5214		14.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.46	0.67	0.83	1.22	1.57	1.68	35.6
1-3636-600- 5215		15.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.49	0.71	0.88	1.30	1.67	1.80	38.1
1-3636-600- 5216		16.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.51	0.75	0.93	1.37	1.77	1.92	40.6
1-3636-600- 5217		17.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.38	0.54	0.79	0.98	1.45	1.86	2.04	43.2
1-3636-600- 5218	D	18.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.83	1.03	1.52	1.96	2.16	45.7
1-3636-600- 5219		19.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.87	1.08	1.60	2.06	2.28	48.3
1-3636-600- 5220		20.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.44	0.62	0.91	1.13	1.68	2.15	2.40	50.8
1-3636-600- 5221		21.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.46	0.65	0.95	1.18	1.75	2.25	2.52	53.3
1-3636-600- 5222		22.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.48	0.68	0.99	1.23	1.83	2.35	2.64	55.9
1-3636-600- 5223		23.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.50	0.71	1.03	1.28	1.91	2.45	2.76	58.4
1-3636-600- 5224	D	24.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.52	0.74	1.07	1.33	1.98	2.54	2.88	61.0
1-3636-600- 5225		25.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.54	0.76	1.11	1.39	2.06	2.64	3.00	63.5
1-3636-600- 5226		26.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.56	0.79	1.15	1.44	2.13	2.74	3.12	66.0
1-3636-600- 5227		27.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.57	0.82	1.19	1.49	2.21	2.84	3.24	68.6
1-3636-600- 5228		28.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.59	0.85	1.23	1.54	2.29	2.93	3.36	71.1
1-3636-600- 5229		29.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.61	0.87	1.27	1.59	2.36	3.03	3.48	73.7
1-3636-600- 5230		30.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.63	0.90	1.31	1.64	2.44	3.13	3.60	76.2
1-3636-600- 5231		31.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.65	0.93	1.35	1.69	2.51	3.23	3.71	78.7
1-3636-600- 5232		32.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.67	0.96	1.39	1.74	2.59	3.32	3.83	81.3
1-3636-600- 5233		33.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.69	0.98	1.44	1.79	2.67	3.42	3.95	83.8
1-3636-600- 5234		34.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.71	1.01	1.48	1.84	2.74	3.52	4.07	86.4
1-3636-600- 5235		35.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.73	1.04	1.52	1.89	2.82	3.62	4.19	88.9
1-3636-600- 5236		36.0	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.07	1.56	1.95	2.90	3.71	4.31	91.4
1-3636-600- 5237		37.0	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.09	1.60	2.00	2.97	3.81	4.43	94.0
1-3636-600- 5238		38.0	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.12	1.64	2.05	3.05	3.91	4.55	96.5
1-3636-600- 5239		39.0	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.80	1.15	1.68	2.10	3.12	4.00	4.67	99.1
1-3636-600- 5240		40.0	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.18	1.72	2.15	3.20	4.10	4.79	101.6
1-3636-600- 5241		41.0	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.21	1.76	2.20	3.28	4.20	4.91	104.1
1-3636-600- 5242		42.0	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.86	1.23	1.80	2.25	3.35	4.30	5.03	106.7
1-3636-600- 5243		43.0	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.88	1.26	1.84	2.30	3.43	4.39	5.15	109.2
1-3636-600- 5244		44.0	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.90	1.29	1.88	2.35	3.50	4.49	5.27	111.8
1-3636-600- 5245		45.0	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.92	1.32	1.92	2.40	3.58	4.59	5.39	114.3
1-3636-600- 5246		46.0	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.94	1.34	1.96	2.45	3.66	4.69	5.51	116.8
1-3636-600- 5247		47.0	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.95	1.37	2.00	2.50	3.73	4.78	5.63	119.4
1-3636-600- 5248		48.0	0.25	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.40	2.04	2.56	3.81	4.88	5.75	121.9

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

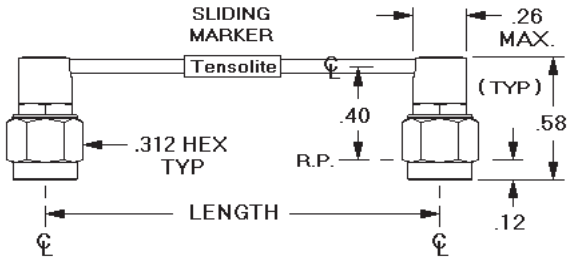
NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

SMA MALE RT.< TO RT.< ON 600 SEMI-FLEX® CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100.0	db MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY NOMINAL:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	79	54	37	30	20	15
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.090	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.1

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY / BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA CAP:	ASTM-B-36, BRASS	QQ-N-290 NICKEL PLATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3737-600- 3202	D	2.00	0.05	0.3	1.10	1.15	1.20	1.25	1.30	1.35	0.12	0.16	0.22	0.26	0.38	0.49	0.24	5.08
1-3737-600- 3203	D	3.00	0.05	0.3	1.10	1.15	1.20	1.25	1.30	1.35	0.14	0.18	0.26	0.32	0.45	0.58	0.36	7.62
1-3737-600- 3204	D	4.00	0.05	0.3	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.21	0.30	0.37	0.53	0.68	0.48	10.16
1-3737-600- 3205	D	5.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.24	0.34	0.42	0.60	0.78	0.60	12.70
1-3737-600- 3206	D	6.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.27	0.38	0.47	0.68	0.88	0.72	15.24
1-3737-600- 3207		7.00	0.10	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.29	0.42	0.52	0.76	0.97	0.84	17.78
1-3737-600- 3208	D	8.00	0.10	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.32	0.46	0.57	0.83	1.07	0.96	20.32
1-3737-600- 3209		9.00	0.10	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.35	0.50	0.62	0.91	1.17	1.08	22.86
1-3737-600- 3210		10.00	0.10	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.27	0.38	0.54	0.67	0.98	1.27	1.20	25.40
1-3737-600- 3211		11.00	0.10	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.40	0.59	0.72	1.06	1.36	1.32	27.94
1-3737-600- 3212	D	12.00	0.10	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.43	0.63	0.77	1.14	1.46	1.44	30.48
1-3737-600- 3213		13.00	0.15	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.46	0.67	0.82	1.21	1.56	1.56	33.02
1-3737-600- 3214		14.00	0.15	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.49	0.71	0.87	1.29	1.66	1.68	35.56
1-3737-600- 3215		15.00	0.15	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.52	0.75	0.93	1.37	1.75	1.80	38.10
1-3737-600- 3216		16.00	0.15	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.54	0.79	0.98	1.44	1.85	1.92	40.64
1-3737-600- 3217		17.00	0.15	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.40	0.57	0.83	1.03	1.52	1.95	2.04	43.18
1-3737-600- 3218	D	18.00	0.15	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.60	0.87	1.08	1.59	2.04	2.16	45.72
1-3737-600- 3219		19.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.63	0.91	1.13	1.67	2.14	2.28	48.26
1-3737-600- 3220		20.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.65	0.95	1.18	1.75	2.24	2.40	50.80
1-3737-600- 3221		21.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.68	0.99	1.23	1.82	2.34	2.52	53.34
1-3737-600- 3222		22.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.71	1.03	1.28	1.90	2.43	2.64	55.88
1-3737-600- 3223		23.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.52	0.74	1.07	1.33	1.97	2.53	2.76	58.42
1-3737-600- 3224	D	24.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.76	1.11	1.38	2.05	2.63	2.88	60.96
1-3737-600- 3225		25.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.79	1.15	1.43	2.13	2.73	3.00	63.50
1-3737-600- 3226		26.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.82	1.19	1.49	2.20	2.82	3.12	66.04
1-3737-600- 3227		27.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.59	0.85	1.23	1.54	2.28	2.92	3.24	68.58
1-3737-600- 3228		28.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.61	0.87	1.27	1.59	2.36	3.02	3.36	71.12
1-3737-600- 3229		29.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.63	0.90	1.31	1.64	2.43	3.12	3.48	73.66
1-3737-600- 3230		30.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.65	0.93	1.35	1.69	2.51	3.21	3.60	76.20
1-3737-600- 3231		31.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.67	0.96	1.39	1.74	2.58	3.31	3.71	78.74
1-3737-600- 3232		32.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.69	0.98	1.43	1.79	2.66	3.41	3.83	81.28
1-3737-600- 3233		33.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.01	1.48	1.84	2.74	3.51	3.95	83.82
1-3737-600- 3234		34.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.73	1.04	1.52	1.89	2.81	3.60	4.07	86.36
1-3737-600- 3235		35.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.07	1.56	1.94	2.89	3.70	4.19	88.90
1-3737-600- 3236		36.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.77	1.10	1.60	1.99	2.96	3.80	4.31	91.44
1-3737-600- 3237		37.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.12	1.64	2.04	3.04	3.89	4.43	93.98
1-3737-600- 3238		38.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.80	1.15	1.68	2.10	3.12	3.99	4.55	96.52
1-3737-600- 3239		39.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.18	1.72	2.15	3.19	4.09	4.67	99.06
1-3737-600- 3240		40.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.21	1.76	2.20	3.27	4.19	4.79	101.60
1-3737-600- 3241		41.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.86	1.23	1.80	2.25	3.35	4.28	4.91	104.14
1-3737-600- 3242		42.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.88	1.26	1.84	2.30	3.42	4.38	5.03	106.68
1-3737-600- 3243		43.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.90	1.29	1.88	2.35	3.50	4.48	5.15	109.22
1-3737-600- 3244		44.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.92	1.32	1.92	2.40	3.57	4.58	5.27	111.76
1-3737-600- 3245		45.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.94	1.34	1.96	2.45	3.65	4.67	5.39	114.30
1-3737-600- 3246		46.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.96	1.37	2.00	2.50	3.73	4.77	5.51	116.84
1-3737-600- 3247		47.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.40	2.04	2.55	3.80	4.87	5.63	119.38
1-3737-600- 3248		48.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.99	1.43	2.08	2.60	3.88	4.97	5.75	121.92

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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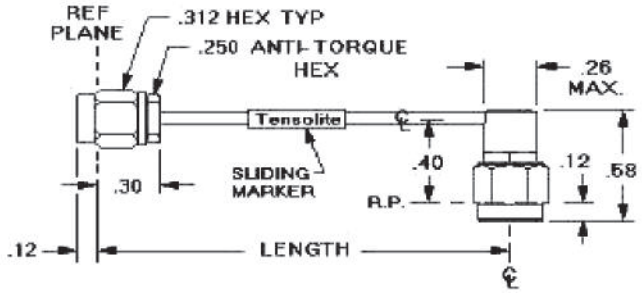
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	79	54	37	30	20	15
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.090	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE TO SMA MALE RT.< ON 600 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY / BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA CAP:	ASTM-B-36, BRASS	QQ-N-290 NICKEL PLATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3637-600- 5202	D	2.00	0.05	0.2	1.08	1.12	1.16	1.20	1.25	1.30	0.11	0.14	0.20	0.24	0.34	0.44	0.24	5.08
1-3637-600- 5203	D	3.00	0.05	0.2	1.08	1.12	1.16	1.20	1.25	1.30	0.13	0.17	0.24	0.29	0.42	0.54	0.36	7.62
1-3637-600- 5204	D	4.00	0.05	0.2	1.08	1.12	1.16	1.20	1.25	1.30	0.15	0.20	0.28	0.34	0.49	0.64	0.48	10.16
1-3637-600- 5205	D	5.00	0.10	0.3	1.08	1.12	1.16	1.20	1.25	1.30	0.17	0.22	0.32	0.39	0.57	0.74	0.60	12.70
1-3637-600- 5206	D	6.00	0.10	0.3	1.08	1.12	1.16	1.20	1.25	1.30	0.18	0.25	0.36	0.44	0.65	0.83	0.72	15.24
1-3637-600- 5207		7.00	0.10	0.3	1.08	1.12	1.16	1.20	1.25	1.30	0.20	0.28	0.40	0.49	0.72	0.93	0.84	17.78
1-3637-600- 5208	D	8.00	0.10	0.3	1.08	1.12	1.16	1.20	1.25	1.30	0.22	0.31	0.44	0.55	0.80	1.03	0.96	20.32
1-3637-600- 5209		9.00	0.10	0.3	1.08	1.12	1.16	1.20	1.25	1.30	0.24	0.34	0.48	0.60	0.87	1.13	1.08	22.86
1-3637-600- 5210		10.00	0.10	0.3	1.08	1.12	1.16	1.20	1.25	1.30	0.26	0.36	0.52	0.65	0.95	1.22	1.20	25.40
1-3637-600- 5211		11.00	0.15	0.3	1.08	1.12	1.16	1.20	1.25	1.30	0.28	0.39	0.57	0.70	1.03	1.32	1.32	27.94
1-3637-600- 5212	D	12.00	0.15	0.4	1.08	1.12	1.16	1.20	1.25	1.30	0.30	0.42	0.61	0.75	1.10	1.42	1.44	30.48
1-3637-600- 5213		13.00	0.15	0.4	1.08	1.12	1.16	1.20	1.25	1.30	0.32	0.45	0.65	0.80	1.18	1.52	1.56	33.02
1-3637-600- 5214		14.00	0.15	0.4	1.08	1.12	1.16	1.20	1.25	1.30	0.34	0.47	0.69	0.85	1.25	1.61	1.68	35.56
1-3637-600- 5215		15.00	0.15	0.4	1.08	1.12	1.16	1.20	1.25	1.30	0.36	0.50	0.73	0.90	1.33	1.71	1.80	38.10
1-3637-600- 5216		16.00	0.15	0.4	1.08	1.12	1.16	1.20	1.25	1.30	0.37	0.53	0.77	0.95	1.41	1.81	1.92	40.64
1-3637-600- 5217		17.00	0.15	0.4	1.08	1.12	1.16	1.20	1.25	1.30	0.39	0.56	0.81	1.00	1.48	1.91	2.04	43.18
1-3637-600- 5218	D	18.00	0.15	0.4	1.08	1.12	1.16	1.20	1.25	1.30	0.41	0.58	0.85	1.05	1.56	2.00	2.16	45.72
1-3637-600- 5219		19.00	0.15	0.5	1.08	1.12	1.16	1.20	1.25	1.30	0.43	0.61	0.89	1.10	1.64	2.10	2.28	48.26
1-3637-600- 5220		20.00	0.15	0.5	1.08	1.12	1.16	1.20	1.25	1.30	0.45	0.64	0.93	1.16	1.71	2.20	2.40	50.80
1-3637-600- 5221		21.00	0.15	0.5	1.08	1.12	1.16	1.20	1.25	1.30	0.47	0.67	0.97	1.21	1.79	2.29	2.52	53.34
1-3637-600- 5222		22.00	0.15	0.5	1.08	1.12	1.16	1.20	1.25	1.30	0.49	0.69	1.01	1.26	1.86	2.39	2.64	55.88
1-3637-600- 5223		23.00	0.15	0.5	1.08	1.12	1.16	1.20	1.25	1.30	0.51	0.72	1.05	1.31	1.94	2.49	2.76	58.42
1-3637-600- 5224	D	24.00	0.15	0.5	1.08	1.12	1.16	1.20	1.25	1.30	0.53	0.75	1.09	1.36	2.02	2.59	2.88	60.96
1-3637-600- 5225		25.00	0.15	0.5	1.08	1.12	1.16	1.20	1.25	1.30	0.55	0.78	1.13	1.41	2.09	2.68	3.00	63.50
1-3637-600- 5226		26.00	0.15	0.6	1.08	1.12	1.16	1.20	1.25	1.30	0.57	0.80	1.17	1.46	2.17	2.78	3.12	66.04
1-3637-600- 5227		27.00	0.15	0.6	1.08	1.12	1.16	1.20	1.25	1.30	0.58	0.83	1.21	1.51	2.24	2.88	3.24	68.58
1-3637-600- 5228		28.00	0.15	0.6	1.08	1.12	1.16	1.20	1.25	1.30	0.60	0.86	1.25	1.56	2.32	2.98	3.36	71.12
1-3637-600- 5229		29.00	0.15	0.6	1.08	1.12	1.16	1.20	1.25	1.30	0.62	0.89	1.29	1.61	2.40	3.07	3.48	73.66
1-3637-600- 5230		30.00	0.15	0.6	1.08	1.12	1.16	1.20	1.25	1.30	0.64	0.92	1.33	1.66	2.47	3.17	3.60	76.20
1-3637-600- 5231		31.00	0.15	0.6	1.08	1.12	1.16	1.20	1.25	1.30	0.66	0.94	1.37	1.72	2.55	3.27	3.71	78.74
1-3637-600- 5232		32.00	0.15	0.6	1.08	1.12	1.16	1.20	1.25	1.30	0.68	0.97	1.41	1.77	2.63	3.37	3.83	81.28
1-3637-600- 5233		33.00	0.15	0.7	1.08	1.12	1.16	1.20	1.25	1.30	0.70	1.00	1.46	1.82	2.70	3.46	3.95	83.82
1-3637-600- 5234		34.00	0.15	0.7	1.08	1.12	1.16	1.20	1.25	1.30	0.72	1.03	1.50	1.87	2.78	3.56	4.07	86.36
1-3637-600- 5235		35.00	0.15	0.7	1.08	1.12	1.16	1.20	1.25	1.30	0.74	1.05	1.54	1.92	2.85	3.66	4.19	88.90
1-3637-600- 5236		36.00	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.08	1.58	1.97	2.93	3.76	4.31	91.44
1-3637-600- 5237		37.00	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.77	1.11	1.62	2.02	3.01	3.85	4.43	93.98
1-3637-600- 5238		38.00	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.79	1.14	1.66	2.07	3.08	3.95	4.55	96.52
1-3637-600- 5239		39.00	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.81	1.16	1.70	2.12	3.16	4.05	4.67	99.06
1-3637-600- 5240		40.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.83	1.19	1.74	2.17	3.23	4.14	4.79	101.60
1-3637-600- 5241		41.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.85	1.22	1.78	2.22	3.31	4.24	4.91	104.14
1-3637-600- 5242		42.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.87	1.25	1.82	2.27	3.39	4.34	5.03	106.68
1-3637-600- 5243		43.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.89	1.27	1.86	2.33	3.46	4.44	5.15	109.22
1-3637-600- 5244		44.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.91	1.30	1.90	2.38	3.54	4.53	5.27	111.76
1-3637-600- 5245		45.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.93	1.33	1.94	2.43	3.62	4.63	5.39	114.30
1-3637-600- 5246		46.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.95	1.36	1.98	2.48	3.69	4.73	5.51	116.84
1-3637-600- 5247		47.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.96	1.38	2.02	2.53	3.77	4.83	5.63	119.38
1-3637-600- 5248		48.00	0.25	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.98	1.41	2.06	2.58	3.84	4.92	5.75	121.92

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

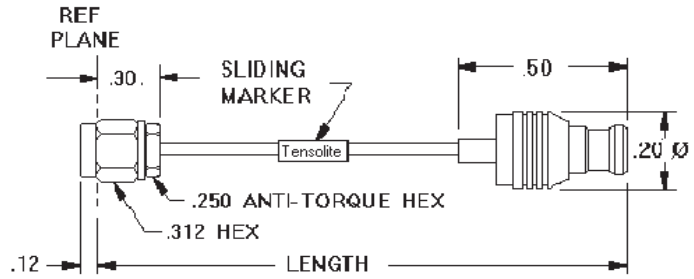
IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
RELATIVE SHIELDING:	> -100	db MIN. (1 FT)
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY:	1.44	ns/FOOT
ELECTRICAL DELAY:	120	ps/INCH
MAX. PULSE RF POWER:	500	WATTS
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)		

F (IN GHz) ---------->	0.5	1	2	4	6	
MAX. CW WATTS --->	114	79	54	37	30	

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.088	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-55/+105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	CECC 2220

SMA MALE TO MCX MALE ON 600 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
MCX BODY:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	QQ-9-35, PASSIVATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35, PASSIVATED
SMA CONTACT:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS					S21 AND S12 CHARACTERISTICS							
PART NUMBER	LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)					MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)					NOM DELAY nS	LENGTH CM
				UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6	UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		
1-36M6-600- 5202	2.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30	0.15	0.20	0.25	0.28	0.35	0.24	5.1
1-36M6-600- 5203	3.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30	0.17	0.23	0.28	0.32	0.40	0.36	7.6
1-36M6-600- 5204	4.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30	0.19	0.25	0.32	0.36	0.45	0.48	10.2
1-36M6-600- 5205	5.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30	0.21	0.28	0.35	0.40	0.50	0.60	12.7
1-36M6-600- 5206	6.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30	0.22	0.31	0.39	0.44	0.55	0.72	15.2
1-36M6-600- 5207	7.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30	0.24	0.34	0.42	0.48	0.60	0.84	17.8
1-36M6-600- 5208	8.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30	0.26	0.36	0.45	0.52	0.65	0.96	20.3
1-36M6-600- 5209	9.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	0.28	0.39	0.49	0.56	0.70	1.08	22.9
1-36M6-600- 5210	10.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	0.30	0.42	0.52	0.60	0.75	1.20	25.4
1-36M6-600- 5211	11.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	0.32	0.45	0.56	0.65	0.81	1.32	27.9
1-36M6-600- 5212	12.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	0.34	0.47	0.59	0.69	0.86	1.44	30.5
1-36M6-600- 5213	13.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	0.36	0.50	0.63	0.73	0.91	1.56	33.0
1-36M6-600- 5214	14.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	0.38	0.53	0.66	0.77	0.96	1.68	35.6
1-36M6-600- 5215	15.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30	0.40	0.56	0.70	0.81	1.01	1.80	38.1
1-36M6-600- 5216	16.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30	0.41	0.59	0.73	0.85	1.06	1.92	40.6
1-36M6-600- 5217	17.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30	0.43	0.61	0.76	0.89	1.11	2.04	43.2
1-36M6-600- 5218	18.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30	0.45	0.64	0.80	0.93	1.16	2.16	45.7
1-36M6-600- 5219	19.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30	0.47	0.67	0.83	0.97	1.21	2.28	48.3
1-36M6-600- 5220	20.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30	0.49	0.70	0.87	1.01	1.26	2.40	50.8
1-36M6-600- 5221	21.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30	0.51	0.72	0.90	1.05	1.31	2.52	53.3
1-36M6-600- 5222	22.0	0.25	0.6	1.13	1.17	1.21	1.23	1.30	0.53	0.75	0.94	1.09	1.37	2.64	55.9
1-36M6-600- 5223	23.0	0.25	0.6	1.13	1.17	1.21	1.23	1.30	0.55	0.78	0.97	1.13	1.42	2.76	58.4
1-36M6-600- 5224	24.0	0.24	0.6	1.13	1.17	1.21	1.23	1.30	0.57	0.81	1.01	1.17	1.47	2.88	61.0
1-36M6-600- 5227	27.0	0.27	0.6	1.13	1.17	1.21	1.23	1.30	0.62	0.89	1.11	1.29	1.62	3.24	68.6
1-36M6-600- 5230	30.0	0.30	0.7	1.13	1.17	1.21	1.23	1.30	0.68	0.97	1.21	1.41	1.77	3.60	76.2
1-36M6-600- 5233	33.0	0.33	0.7	1.13	1.17	1.21	1.23	1.30	0.74	1.05	1.32	1.54	1.92	3.95	83.8
1-36M6-600- 5236	36.0	0.36	0.8	1.13	1.17	1.21	1.23	1.30	0.80	1.14	1.42	1.66	2.08	4.31	91.4
1-36M6-600- 5239	39.0	0.39	0.8	1.13	1.17	1.21	1.23	1.30	0.85	1.22	1.52	1.78	2.23	4.67	99.1
1-36M6-600- 5242	42.0	0.42	0.8	1.13	1.17	1.21	1.23	1.30	0.91	1.30	1.63	1.90	2.38	5.03	106.7
1-36M6-600- 5245	45.0	0.45	0.9	1.13	1.17	1.21	1.23	1.30	0.97	1.39	1.73	2.02	2.54	5.39	114.3
1-36M6-600- 5248	48.0	0.48	0.9	1.13	1.17	1.21	1.23	1.30	1.02	1.47	1.83	2.14	2.69	5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

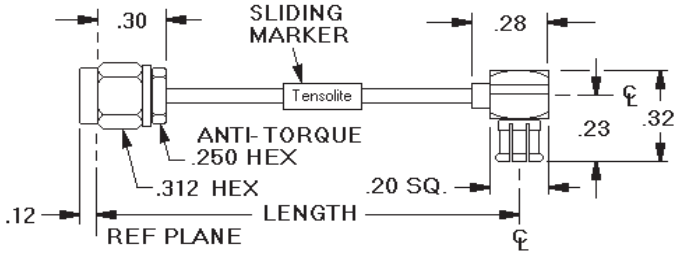
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
RELATIVE SHIELDING:				> -100	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				500	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	0.5	1	2	4	6	
MAX. CW WATTS --->	114	79	54	37	30	

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.088	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-55/+105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	CECC 2220

SMA MALE TO MCX MALE RT.< ON 600 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
MCX BODY:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	QQ-9-35, PASSIVATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35, PASSIVATED
SMA CONTACT:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS					S21 AND S12 CHARACTERISTICS							
PART NUMBER	LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.) UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.) UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		NOM DELAY nS	LENGTH CM
1-36M7-600- 5202	2.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.15	0.20	0.25	0.28	0.35		0.24	5.1
1-36M7-600- 5203	3.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.17	0.23	0.28	0.32	0.40		0.36	7.6
1-36M7-600- 5204	4.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.19	0.25	0.32	0.36	0.45		0.48	10.2
1-36M7-600- 5205	5.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.21	0.28	0.35	0.40	0.50		0.60	12.7
1-36M7-600- 5206	6.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.22	0.31	0.39	0.44	0.55		0.72	15.2
1-36M7-600- 5207	7.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.24	0.34	0.42	0.48	0.60		0.84	17.8
1-36M7-600- 5208	8.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.26	0.36	0.45	0.52	0.65		0.96	20.3
1-36M7-600- 5209	9.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.28	0.39	0.49	0.56	0.70		1.08	22.9
1-36M7-600- 5210	10.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.30	0.42	0.52	0.60	0.75		1.20	25.4
1-36M7-600- 5211	11.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.32	0.45	0.56	0.65	0.81		1.32	27.9
1-36M7-600- 5212	12.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.34	0.47	0.59	0.69	0.86		1.44	30.5
1-36M7-600- 5213	13.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.36	0.50	0.63	0.73	0.91		1.56	33.0
1-36M7-600- 5214	14.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.38	0.53	0.66	0.77	0.96		1.68	35.6
1-36M7-600- 5215	15.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.40	0.56	0.70	0.81	1.01		1.80	38.1
1-36M7-600- 5216	16.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.41	0.59	0.73	0.85	1.06		1.92	40.6
1-36M7-600- 5217	17.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.43	0.61	0.76	0.89	1.11		2.04	43.2
1-36M7-600- 5218	18.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.45	0.64	0.80	0.93	1.16		2.16	45.7
1-36M7-600- 5219	19.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.47	0.67	0.83	0.97	1.21		2.28	48.3
1-36M7-600- 5220	20.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.49	0.70	0.87	1.01	1.26		2.40	50.8
1-36M7-600- 5221	21.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.51	0.72	0.90	1.05	1.31		2.52	53.3
1-36M7-600- 5222	22.0	0.25	0.6	1.13	1.17	1.21	1.23	1.30		0.53	0.75	0.94	1.09	1.37		2.64	55.9
1-36M7-600- 5223	23.0	0.25	0.6	1.13	1.17	1.21	1.23	1.30		0.55	0.78	0.97	1.13	1.42		2.76	58.4
1-36M7-600- 5224	24.0	0.24	0.6	1.13	1.17	1.21	1.23	1.30		0.57	0.81	1.01	1.17	1.47		2.88	61.0
1-36M7-600- 5227	27.0	0.27	0.6	1.13	1.17	1.21	1.23	1.30		0.62	0.89	1.11	1.29	1.62		3.24	68.6
1-36M7-600- 5230	30.0	0.30	0.7	1.13	1.17	1.21	1.23	1.30		0.68	0.97	1.21	1.41	1.77		3.60	76.2
1-36M7-600- 5233	33.0	0.33	0.7	1.13	1.17	1.21	1.23	1.30		0.74	1.05	1.32	1.54	1.92		3.95	83.8
1-36M7-600- 5236	36.0	0.36	0.8	1.13	1.17	1.21	1.23	1.30		0.80	1.14	1.42	1.66	2.08		4.31	91.4
1-36M7-600- 5239	39.0	0.39	0.8	1.13	1.17	1.21	1.23	1.30		0.85	1.22	1.52	1.78	2.23		4.67	99.1
1-36M7-600- 5242	42.0	0.42	0.8	1.13	1.17	1.21	1.23	1.30		0.91	1.30	1.63	1.90	2.38		5.03	106.7
1-36M7-600- 5245	45.0	0.45	0.9	1.13	1.17	1.21	1.23	1.30		0.97	1.39	1.73	2.02	2.54		5.39	114.3
1-36M7-600- 5248	48.0	0.48	0.9	1.13	1.17	1.21	1.23	1.30		1.02	1.47	1.83	2.14	2.69		5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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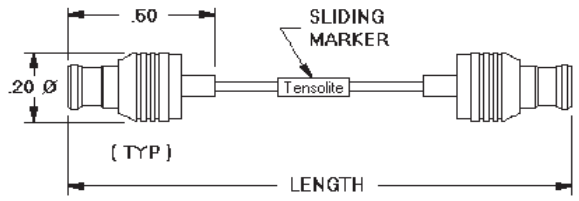
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

MCX MALE TO MCX MALE ON 600 SEMI-FLEX® CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
RELATIVE SHIELDING:				> -100	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				500	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	0.5	1	2	4	6	
MAX. CW WATTS --->	114	79	54	37	30	

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.088	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-55/+105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:		CECC 2220

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
BODIES:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6			
1-M6M6-600- 3202		2.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.15	0.20	0.25	0.28	0.35		0.24	5.1
1-M6M6-600- 3203		3.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.17	0.23	0.28	0.32	0.40		0.36	7.6
1-M6M6-600- 3204		4.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.19	0.25	0.32	0.36	0.45		0.48	10.2
1-M6M6-600- 3205		5.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.21	0.28	0.35	0.40	0.50		0.60	12.7
1-M6M6-600- 3206		6.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.22	0.31	0.39	0.44	0.55		0.72	15.2
1-M6M6-600- 3207		7.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.24	0.34	0.42	0.48	0.60		0.84	17.8
1-M6M6-600- 3208		8.0	0.25	0.3	1.13	1.17	1.21	1.23	1.30		0.26	0.36	0.45	0.52	0.65		0.96	20.3
1-M6M6-600- 3209		9.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.28	0.39	0.49	0.56	0.70		1.08	22.9
1-M6M6-600- 3210		10.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.30	0.42	0.52	0.60	0.75		1.20	25.4
1-M6M6-600- 3211		11.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.32	0.45	0.56	0.65	0.81		1.32	27.9
1-M6M6-600- 3212		12.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.34	0.47	0.59	0.69	0.86		1.44	30.5
1-M6M6-600- 3213		13.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.36	0.50	0.63	0.73	0.91		1.56	33.0
1-M6M6-600- 3214		14.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.38	0.53	0.66	0.77	0.96		1.68	35.6
1-M6M6-600- 3215		15.0	0.25	0.4	1.13	1.17	1.21	1.23	1.30		0.40	0.56	0.70	0.81	1.01		1.80	38.1
1-M6M6-600- 3216		16.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.41	0.59	0.73	0.85	1.06		1.92	40.6
1-M6M6-600- 3217		17.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.43	0.61	0.76	0.89	1.11		2.04	43.2
1-M6M6-600- 3218		18.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.45	0.64	0.80	0.93	1.16		2.16	45.7
1-M6M6-600- 3219		19.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.47	0.67	0.83	0.97	1.21		2.28	48.3
1-M6M6-600- 3220		20.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.49	0.70	0.87	1.01	1.26		2.40	50.8
1-M6M6-600- 3221		21.0	0.25	0.5	1.13	1.17	1.21	1.23	1.30		0.51	0.72	0.90	1.05	1.31		2.52	53.3
1-M6M6-600- 3222		22.0	0.25	0.6	1.13	1.17	1.21	1.23	1.30		0.53	0.75	0.94	1.09	1.37		2.64	55.9
1-M6M6-600- 3223		23.0	0.25	0.6	1.13	1.17	1.21	1.23	1.30		0.55	0.78	0.97	1.13	1.42		2.76	58.4
1-M6M6-600- 3224		24.0	0.24	0.6	1.13	1.17	1.21	1.23	1.30		0.57	0.81	1.01	1.17	1.47		2.88	61.0
1-M6M6-600- 3227		27.0	0.27	0.6	1.13	1.17	1.21	1.23	1.30		0.62	0.89	1.11	1.29	1.62		3.24	68.6
1-M6M6-600- 3230		30.0	0.30	0.7	1.13	1.17	1.21	1.23	1.30		0.68	0.97	1.21	1.41	1.77		3.60	76.2
1-M6M6-600- 3233		33.0	0.33	0.7	1.13	1.17	1.21	1.23	1.30		0.74	1.05	1.32	1.54	1.92		3.95	83.8
1-M6M6-600- 3236		36.0	0.36	0.8	1.13	1.17	1.21	1.23	1.30		0.80	1.14	1.42	1.66	2.08		4.31	91.4
1-M6M6-600- 3239		39.0	0.39	0.8	1.13	1.17	1.21	1.23	1.30		0.85	1.22	1.52	1.78	2.23		4.67	99.1
1-M6M6-600- 3242		42.0	0.42	0.8	1.13	1.17	1.21	1.23	1.30		0.91	1.30	1.63	1.90	2.38		5.03	106.7
1-M6M6-600- 3245		45.0	0.45	0.9	1.13	1.17	1.21	1.23	1.30		0.97	1.39	1.73	2.02	2.54		5.39	114.3
1-M6M6-600- 3248		48.0	0.48	0.9	1.13	1.17	1.21	1.23	1.30		1.02	1.47	1.83	2.14	2.69		5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

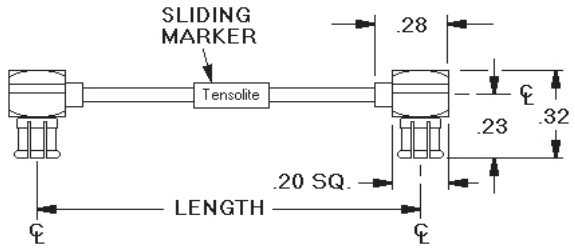
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
RELATIVE SHIELDING:				> -100	db MIN. (1 FT)	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				500	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	0.5	1	2	4	6	
MAX. CW WATTS --->	114	79	54	37	30	

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.088	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-55/+105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	CECC 2220

MCX MALE RT.< TO MCX MALE RT.< ON 600 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
BODIES:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		DELAY nS	CM
1-M7M7-600- 3202		2.0	0.25	0.3	1.15	1.20	1.25	1.30	1.35		0.15	0.20	0.25	0.28	0.35		0.24	5.1
1-M7M7-600- 3203		3.0	0.25	0.3	1.15	1.20	1.25	1.30	1.35		0.17	0.23	0.28	0.32	0.40		0.36	7.6
1-M7M7-600- 3204		4.0	0.25	0.3	1.15	1.20	1.25	1.30	1.35		0.19	0.25	0.32	0.36	0.45		0.48	10.2
1-M7M7-600- 3205		5.0	0.25	0.3	1.15	1.20	1.25	1.30	1.35		0.21	0.28	0.35	0.40	0.50		0.60	12.7
1-M7M7-600- 3206		6.0	0.25	0.3	1.15	1.20	1.25	1.30	1.35		0.22	0.31	0.39	0.44	0.55		0.72	15.2
1-M7M7-600- 3207		7.0	0.25	0.3	1.15	1.20	1.25	1.30	1.35		0.24	0.34	0.42	0.48	0.60		0.84	17.8
1-M7M7-600- 3208		8.0	0.25	0.3	1.15	1.20	1.25	1.30	1.35		0.26	0.36	0.45	0.52	0.65		0.96	20.3
1-M7M7-600- 3209		9.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		0.28	0.39	0.49	0.56	0.70		1.08	22.9
1-M7M7-600- 3210		10.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		0.30	0.42	0.52	0.60	0.75		1.20	25.4
1-M7M7-600- 3211		11.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		0.32	0.45	0.56	0.65	0.81		1.32	27.9
1-M7M7-600- 3212		12.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		0.34	0.47	0.59	0.69	0.86		1.44	30.5
1-M7M7-600- 3213		13.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		0.36	0.50	0.63	0.73	0.91		1.56	33.0
1-M7M7-600- 3214		14.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		0.38	0.53	0.66	0.77	0.96		1.68	35.6
1-M7M7-600- 3215		15.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		0.40	0.56	0.70	0.81	1.01		1.80	38.1
1-M7M7-600- 3216		16.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		0.41	0.59	0.73	0.85	1.06		1.92	40.6
1-M7M7-600- 3217		17.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		0.43	0.61	0.76	0.89	1.11		2.04	43.2
1-M7M7-600- 3218		18.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		0.45	0.64	0.80	0.93	1.16		2.16	45.7
1-M7M7-600- 3219		19.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		0.47	0.67	0.83	0.97	1.21		2.28	48.3
1-M7M7-600- 3220		20.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		0.49	0.70	0.87	1.01	1.26		2.40	50.8
1-M7M7-600- 3221		21.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		0.51	0.72	0.90	1.05	1.31		2.52	53.3
1-M7M7-600- 3222		22.0	0.25	0.6	1.15	1.20	1.25	1.30	1.35		0.53	0.75	0.94	1.09	1.37		2.64	55.9
1-M7M7-600- 3223		23.0	0.25	0.6	1.15	1.20	1.25	1.30	1.35		0.55	0.78	0.97	1.13	1.42		2.76	58.4
1-M7M7-600- 3224		24.0	0.24	0.6	1.15	1.20	1.25	1.30	1.35		0.57	0.81	1.01	1.17	1.47		2.88	61.0
1-M7M7-600- 3227		27.0	0.27	0.6	1.15	1.20	1.25	1.30	1.35		0.62	0.89	1.11	1.29	1.62		3.24	68.6
1-M7M7-600- 3230		30.0	0.30	0.7	1.15	1.20	1.25	1.30	1.35		0.68	0.97	1.21	1.41	1.77		3.60	76.2
1-M7M7-600- 3233		33.0	0.33	0.7	1.15	1.20	1.25	1.30	1.35		0.74	1.05	1.32	1.54	1.92		3.95	83.8
1-M7M7-600- 3236		36.0	0.36	0.8	1.15	1.20	1.25	1.30	1.35		0.80	1.14	1.42	1.66	2.08		4.31	91.4
1-M7M7-600- 3239		39.0	0.39	0.8	1.15	1.20	1.25	1.30	1.35		0.85	1.22	1.52	1.78	2.23		4.67	99.1
1-M7M7-600- 3242		42.0	0.42	0.8	1.15	1.20	1.25	1.30	1.35		0.91	1.30	1.63	1.90	2.38		5.03	106.7
1-M7M7-600- 3245		45.0	0.45	0.9	1.15	1.20	1.25	1.30	1.35		0.97	1.39	1.73	2.02	2.54		5.39	114.3
1-M7M7-600- 3248		48.0	0.48	0.9	1.15	1.20	1.25	1.30	1.35		1.02	1.47	1.83	2.14	2.69		5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

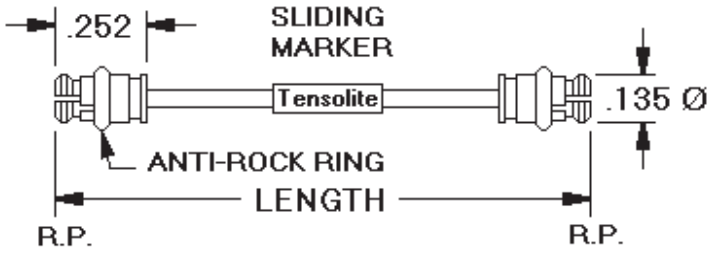
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	4	12	18	26	40
MAX. CW WATTS --->	79	37	20	15	12	9
PHASE STABILITY DEG	0.2	0.7	2	3	5	8
LOSS STABILITY dB	0.01	0.01	0.03	0.05	0.08	0.10
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.089	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	COMMERCIAL SMP	

SMP PLUG TO SMP PLUG ON 600 SEMI-FLEX® CABLE.



CONSULT FACTORY FOR AVAILABILITY

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
CONNECTOR BODIES:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26	26 TO 40	UP TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26	26 TO 40	DELAY nS	CM
1-G6G6-600- 3402		2.0	0.05	0.2	1.14	1.20	1.30	1.40	1.50	1.60	0.20	0.28	0.48	0.61	0.75	0.95	0.24	5.1
1-G6G6-600- 3403		3.0	0.05	0.2	1.14	1.20	1.30	1.40	1.50	1.60	0.23	0.32	0.56	0.71	0.87	1.11	0.36	7.6
1-G6G6-600- 3404		4.0	0.05	0.2	1.14	1.20	1.30	1.40	1.50	1.60	0.25	0.36	0.63	0.81	1.00	1.27	0.48	10.2
1-G6G6-600- 3405		5.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.28	0.40	0.71	0.91	1.12	1.43	0.60	12.7
1-G6G6-600- 3406		6.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.31	0.44	0.78	1.00	1.24	1.59	0.72	15.2
1-G6G6-600- 3407		7.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.34	0.48	0.86	1.10	1.36	1.75	0.84	17.8
1-G6G6-600- 3408		8.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.36	0.52	0.94	1.20	1.48	1.91	0.96	20.3
1-G6G6-600- 3409		9.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.39	0.56	1.01	1.29	1.61	2.07	1.08	22.9
1-G6G6-600- 3410		10.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.42	0.60	1.09	1.39	1.73	2.23	1.20	25.4
1-G6G6-600- 3411		11.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.45	0.65	1.16	1.49	1.85	2.39	1.32	27.9
1-G6G6-600- 3412		12.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.47	0.69	1.24	1.59	1.97	2.55	1.44	30.5
1-G6G6-600- 3413		13.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.50	0.73	1.32	1.68	2.09	2.71	1.56	33.0
1-G6G6-600- 3414		14.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.53	0.77	1.39	1.78	2.22	2.88	1.68	35.6
1-G6G6-600- 3415		15.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.56	0.81	1.47	1.88	2.34	3.04	1.80	38.1
1-G6G6-600- 3416		16.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.59	0.85	1.55	1.97	2.46	3.20	1.92	40.6
1-G6G6-600- 3417		17.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.61	0.89	1.62	2.07	2.58	3.36	2.04	43.2
1-G6G6-600- 3418		18.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.64	0.93	1.70	2.17	2.71	3.52	2.16	45.7
1-G6G6-600- 3419		19.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.67	0.97	1.77	2.27	2.83	3.68	2.28	48.3
1-G6G6-600- 3420		20.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.70	1.01	1.85	2.36	2.95	3.84	2.40	50.8
1-G6G6-600- 3421		21.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.72	1.05	1.93	2.46	3.07	4.00	2.52	53.3
1-G6G6-600- 3422		22.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.75	1.09	2.00	2.56	3.19	4.16	2.64	55.9
1-G6G6-600- 3423		23.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.78	1.13	2.08	2.66	3.32	4.32	2.76	58.4
1-G6G6-600- 3424		24.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.81	1.17	2.15	2.75	3.44	4.48	2.88	61.0
1-G6G6-600- 3425		25.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.83	1.21	2.23	2.85	3.56	4.64	3.00	63.5
1-G6G6-600- 3426		26.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.86	1.25	2.31	2.95	3.68	4.80	3.12	66.0
1-G6G6-600- 3427		27.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.89	1.29	2.38	3.04	3.80	4.96	3.24	68.6
1-G6G6-600- 3428		28.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.92	1.33	2.46	3.14	3.93	5.12	3.36	71.1
1-G6G6-600- 3429		29.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	0.94	1.37	2.54	3.24	4.05	5.29	3.48	73.7
1-G6G6-600- 3430		30.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	0.97	1.41	2.61	3.34	4.17	5.45	3.60	76.2
1-G6G6-600- 3431		31.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.00	1.45	2.69	3.43	4.29	5.61	3.71	78.7
1-G6G6-600- 3432		32.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.03	1.49	2.76	3.53	4.41	5.77	3.83	81.3
1-G6G6-600- 3433		33.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.05	1.54	2.84	3.63	4.54	5.93	3.95	83.8
1-G6G6-600- 3434		34.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.08	1.58	2.92	3.72	4.66	6.09	4.07	86.4
1-G6G6-600- 3435		35.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.11	1.62	2.99	3.82	4.78	6.25	4.19	88.9
1-G6G6-600- 3436		36.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.14	1.66	3.07	3.92	4.90	6.41	4.31	91.4
1-G6G6-600- 3437		37.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.17	1.70	3.14	4.02	5.02	6.57	4.43	94.0
1-G6G6-600- 3438		38.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.19	1.74	3.22	4.11	5.15	6.73	4.55	96.5
1-G6G6-600- 3439		39.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.22	1.78	3.30	4.21	5.27	6.89	4.67	99.1
1-G6G6-600- 3440		40.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.25	1.82	3.37	4.31	5.39	7.05	4.79	101.6
1-G6G6-600- 3441		41.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.28	1.86	3.45	4.41	5.51	7.21	4.91	104.1
1-G6G6-600- 3442		42.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.30	1.90	3.53	4.50	5.63	7.37	5.03	106.7
1-G6G6-600- 3443		43.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.33	1.94	3.60	4.60	5.76	7.53	5.15	109.2
1-G6G6-600- 3444		44.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.36	1.98	3.68	4.70	5.88	7.70	5.27	111.8
1-G6G6-600- 3445		45.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.39	2.02	3.75	4.79	6.00	7.86	5.39	114.3
1-G6G6-600- 3446		46.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.41	2.06	3.83	4.89	6.12	8.02	5.51	116.8
1-G6G6-600- 3447		47.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.44	2.10	3.91	4.99	6.24	8.18	5.63	119.4
1-G6G6-600- 3448		48.0	0.25	1.0	1.17	1.23	1.33	1.43	1.53	1.63	1.47	2.14	3.98	5.09	6.37	8.34	5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

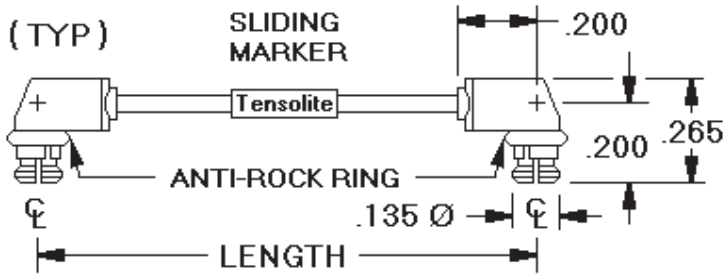
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	4	6	12	18	26
MAX. CW WATTS --->	79	37	30	20	15	12
PHASE STABILITY DEG	0.2	0.7	1	2	3	5
LOSS STABILITY dB	0.01	0.01	0.02	0.03	0.05	0.08
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.089	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	COMMERCIAL SMP	

SMP RT.< PLUG TO SMP RT.< PLUG ON 600 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
CONNECTOR BODIES:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26	UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26		
1-G7G7-600- 3302		2.0	0.05	0.2	1.15	1.20	1.25	1.35	1.45	1.55	0.20	0.28	0.35	0.48	0.61	0.75	0.24	5.1
1-G7G7-600- 3303		3.0	0.05	0.2	1.15	1.20	1.25	1.35	1.45	1.55	0.23	0.32	0.40	0.56	0.71	0.87	0.36	7.6
1-G7G7-600- 3304		4.0	0.05	0.2	1.15	1.20	1.25	1.35	1.45	1.55	0.25	0.36	0.45	0.63	0.81	1.00	0.48	10.2
1-G7G7-600- 3305		5.0	0.10	0.3	1.15	1.20	1.25	1.35	1.45	1.55	0.28	0.40	0.50	0.71	0.91	1.12	0.60	12.7
1-G7G7-600- 3306		6.0	0.10	0.3	1.15	1.20	1.25	1.35	1.45	1.55	0.31	0.44	0.55	0.78	1.00	1.24	0.72	15.2
1-G7G7-600- 3307		7.0	0.10	0.3	1.15	1.20	1.25	1.35	1.45	1.55	0.34	0.48	0.60	0.86	1.10	1.36	0.84	17.8
1-G7G7-600- 3308		8.0	0.10	0.3	1.15	1.20	1.25	1.35	1.45	1.55	0.36	0.52	0.65	0.94	1.20	1.48	0.96	20.3
1-G7G7-600- 3309		9.0	0.10	0.3	1.15	1.20	1.25	1.35	1.45	1.55	0.39	0.56	0.70	1.01	1.29	1.61	1.08	22.9
1-G7G7-600- 3310		10.0	0.10	0.3	1.15	1.20	1.25	1.35	1.45	1.55	0.42	0.60	0.75	1.09	1.39	1.73	1.20	25.4
1-G7G7-600- 3311		11.0	0.15	0.4	1.15	1.20	1.25	1.35	1.45	1.55	0.45	0.65	0.81	1.16	1.49	1.85	1.32	27.9
1-G7G7-600- 3312		12.0	0.15	0.4	1.15	1.20	1.25	1.35	1.45	1.55	0.47	0.69	0.86	1.24	1.59	1.97	1.44	30.5
1-G7G7-600- 3313		13.0	0.15	0.4	1.15	1.20	1.25	1.35	1.45	1.55	0.50	0.73	0.91	1.32	1.68	2.09	1.56	33.0
1-G7G7-600- 3314		14.0	0.15	0.4	1.15	1.20	1.25	1.35	1.45	1.55	0.53	0.77	0.96	1.39	1.78	2.22	1.68	35.6
1-G7G7-600- 3315		15.0	0.15	0.4	1.15	1.20	1.25	1.35	1.45	1.55	0.56	0.81	1.01	1.47	1.88	2.34	1.80	38.1
1-G7G7-600- 3316		16.0	0.15	0.4	1.15	1.20	1.25	1.35	1.45	1.55	0.59	0.85	1.06	1.55	1.97	2.46	1.92	40.6
1-G7G7-600- 3317		17.0	0.15	0.5	1.15	1.20	1.25	1.35	1.45	1.55	0.61	0.89	1.11	1.62	2.07	2.58	2.04	43.2
1-G7G7-600- 3318		18.0	0.15	0.5	1.15	1.20	1.25	1.35	1.45	1.55	0.64	0.93	1.16	1.70	2.17	2.71	2.16	45.7
1-G7G7-600- 3319		19.0	0.15	0.5	1.15	1.20	1.25	1.35	1.45	1.55	0.67	0.97	1.21	1.77	2.27	2.83	2.28	48.3
1-G7G7-600- 3320		20.0	0.15	0.5	1.15	1.20	1.25	1.35	1.45	1.55	0.70	1.01	1.26	1.85	2.36	2.95	2.40	50.8
1-G7G7-600- 3321		21.0	0.15	0.5	1.15	1.20	1.25	1.35	1.45	1.55	0.72	1.05	1.31	1.93	2.46	3.07	2.52	53.3
1-G7G7-600- 3322		22.0	0.15	0.5	1.15	1.20	1.25	1.35	1.45	1.55	0.75	1.09	1.37	2.00	2.56	3.19	2.64	55.9
1-G7G7-600- 3323		23.0	0.15	0.6	1.15	1.20	1.25	1.35	1.45	1.55	0.78	1.13	1.42	2.08	2.66	3.32	2.76	58.4
1-G7G7-600- 3324		24.0	0.15	0.6	1.15	1.20	1.25	1.35	1.45	1.55	0.81	1.17	1.47	2.15	2.75	3.44	2.88	61.0
1-G7G7-600- 3325		25.0	0.15	0.6	1.15	1.20	1.25	1.35	1.45	1.55	0.83	1.21	1.52	2.23	2.85	3.56	3.00	63.5
1-G7G7-600- 3326		26.0	0.15	0.6	1.15	1.20	1.25	1.35	1.45	1.55	0.86	1.25	1.57	2.31	2.95	3.68	3.12	66.0
1-G7G7-600- 3327		27.0	0.15	0.6	1.15	1.20	1.25	1.35	1.45	1.55	0.89	1.29	1.62	2.38	3.04	3.80	3.24	68.6
1-G7G7-600- 3328		28.0	0.15	0.6	1.15	1.20	1.25	1.35	1.45	1.55	0.92	1.33	1.67	2.46	3.14	3.93	3.36	71.1
1-G7G7-600- 3329		29.0	0.15	0.7	1.15	1.20	1.25	1.35	1.45	1.55	0.94	1.37	1.72	2.54	3.24	4.05	3.48	73.7
1-G7G7-600- 3330		30.0	0.15	0.7	1.15	1.20	1.25	1.35	1.45	1.55	0.97	1.41	1.77	2.61	3.34	4.17	3.60	76.2
1-G7G7-600- 3331		31.0	0.15	0.7	1.15	1.20	1.25	1.35	1.45	1.55	1.00	1.45	1.82	2.69	3.43	4.29	3.71	78.7
1-G7G7-600- 3332		32.0	0.15	0.7	1.15	1.20	1.25	1.35	1.45	1.55	1.03	1.49	1.87	2.76	3.53	4.41	3.83	81.3
1-G7G7-600- 3333		33.0	0.15	0.7	1.15	1.20	1.25	1.35	1.45	1.55	1.05	1.54	1.92	2.84	3.63	4.54	3.95	83.8
1-G7G7-600- 3334		34.0	0.15	0.7	1.15	1.20	1.25	1.35	1.45	1.55	1.08	1.58	1.98	2.92	3.72	4.66	4.07	86.4
1-G7G7-600- 3335		35.0	0.15	0.7	1.15	1.20	1.25	1.35	1.45	1.55	1.11	1.62	2.03	2.99	3.82	4.78	4.19	88.9
1-G7G7-600- 3336		36.0	0.20	0.8	1.17	1.23	1.28	1.38	1.48	1.58	1.14	1.66	2.08	3.07	3.92	4.90	4.31	91.4
1-G7G7-600- 3337		37.0	0.20	0.8	1.17	1.23	1.28	1.38	1.48	1.58	1.17	1.70	2.13	3.14	4.02	5.02	4.43	94.0
1-G7G7-600- 3338		38.0	0.20	0.8	1.17	1.23	1.28	1.38	1.48	1.58	1.19	1.74	2.18	3.22	4.11	5.15	4.55	96.5
1-G7G7-600- 3339		39.0	0.20	0.8	1.17	1.23	1.28	1.38	1.48	1.58	1.22	1.78	2.23	3.30	4.21	5.27	4.67	99.1
1-G7G7-600- 3340		40.0	0.20	0.8	1.17	1.23	1.28	1.38	1.48	1.58	1.25	1.82	2.28	3.37	4.31	5.39	4.79	101.6
1-G7G7-600- 3341		41.0	0.20	0.8	1.17	1.23	1.28	1.38	1.48	1.58	1.28	1.86	2.33	3.45	4.41	5.51	4.91	104.1
1-G7G7-600- 3342		42.0	0.20	0.9	1.17	1.23	1.28	1.38	1.48	1.58	1.30	1.90	2.38	3.53	4.50	5.63	5.03	106.7
1-G7G7-600- 3343		43.0	0.20	0.9	1.17	1.23	1.28	1.38	1.48	1.58	1.33	1.94	2.43	3.60	4.60	5.76	5.15	109.2
1-G7G7-600- 3344		44.0	0.20	0.9	1.17	1.23	1.28	1.38	1.48	1.58	1.36	1.98	2.48	3.68	4.70	5.88	5.27	111.8
1-G7G7-600- 3345		45.0	0.20	0.9	1.17	1.23	1.28	1.38	1.48	1.58	1.39	2.02	2.54	3.75	4.79	6.00	5.39	114.3
1-G7G7-600- 3346		46.0	0.20	0.9	1.17	1.23	1.28	1.38	1.48	1.58	1.41	2.06	2.59	3.83	4.89	6.12	5.51	116.8
1-G7G7-600- 3347		47.0	0.20	0.9	1.17	1.23	1.28	1.38	1.48	1.58	1.44	2.10	2.64	3.91	4.99	6.24	5.63	119.4
1-G7G7-600- 3348		48.0	0.25	1.0	1.17	1.23	1.28	1.38	1.48	1.58	1.47	2.14	2.69	3.98	5.09	6.37	5.75	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

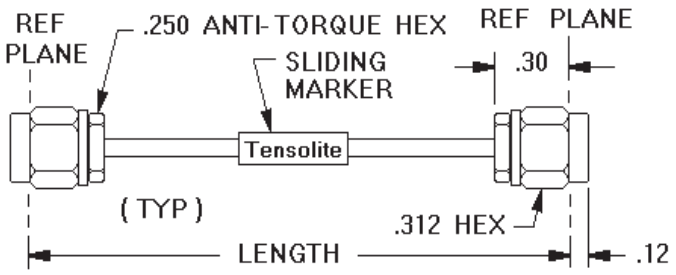
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100.0	db MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY NOMINAL:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	200	136	91	71	46	36
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.19	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348 PAGE 310.3	

SMA MALE TO SMA MALE ON 601 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S12 AND S21 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3636-601- 5202	D	2.00	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.08	0.10	0.15	0.17	0.25	0.33	0.24	5.08
1-3636-601- 5203	D	3.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.09	0.12	0.17	0.20	0.29	0.39	0.36	7.62
1-3636-601- 5204	D	4.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.14	0.20	0.23	0.34	0.45	0.48	10.2
1-3636-601- 5205	D	5.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.15	0.22	0.27	0.39	0.51	0.60	12.7
1-3636-601- 5206	D	6.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.17	0.24	0.30	0.43	0.57	0.72	15.2
1-3636-601- 5207		7.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.18	0.27	0.33	0.48	0.63	0.84	17.8
1-3636-601- 5208	D	8.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.20	0.29	0.36	0.53	0.69	0.96	20.3
1-3636-601- 5209		9.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.22	0.31	0.39	0.57	0.75	1.08	22.9
1-3636-601- 5210		10.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.23	0.34	0.42	0.62	0.82	1.20	25.4
1-3636-601- 5211		11.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.36	0.45	0.67	0.88	1.32	27.9
1-3636-601- 5212	D	12.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.26	0.39	0.48	0.71	0.94	1.44	30.5
1-3636-601- 5213		13.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.41	0.51	0.76	1.00	1.56	33.0
1-3636-601- 5214		14.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.30	0.43	0.54	0.81	1.06	1.68	35.6
1-3636-601- 5215		15.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.31	0.46	0.57	0.86	1.12	1.80	38.1
1-3636-601- 5216		16.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.33	0.48	0.60	0.90	1.18	1.92	40.6
1-3636-601- 5217		17.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.34	0.51	0.63	0.95	1.24	2.04	43.2
1-3636-601- 5218	D	18.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.36	0.53	0.66	1.00	1.30	2.16	45.7
1-3636-601- 5219		19.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.55	0.69	1.04	1.36	2.28	48.3
1-3636-601- 5220		20.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.58	0.72	1.09	1.42	2.40	50.8
1-3636-601- 5221		21.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.41	0.60	0.75	1.14	1.48	2.52	53.3
1-3636-601- 5222		22.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.62	0.78	1.18	1.54	2.64	55.9
1-3636-601- 5223		23.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.44	0.65	0.81	1.23	1.61	2.76	58.4
1-3636-601- 5224	D	24.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.46	0.67	0.84	1.28	1.67	2.88	61.0
1-3636-601- 5225		25.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.47	0.70	0.87	1.32	1.73	3.00	63.5
1-3636-601- 5226		26.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.49	0.72	0.90	1.37	1.79	3.12	66.0
1-3636-601- 5227		27.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.50	0.74	0.93	1.42	1.85	3.24	68.6
1-3636-601- 5228		28.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.52	0.77	0.96	1.46	1.91	3.36	71.1
1-3636-601- 5230		30.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.55	0.82	1.02	1.56	2.03	3.60	76.2
1-3636-601- 5232		32.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.86	1.09	1.65	2.15	3.83	81.3
1-3636-601- 5233		33.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.89	1.12	1.70	2.21	3.95	83.8
1-3636-601- 5236		36.00	0.20	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.45	0.65	0.96	1.21	1.84	2.40	4.31	91.4
1-3636-601- 5239		39.00	0.20	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.48	0.70	1.03	1.30	1.98	2.58	4.67	99.1
1-3636-601- 5242		42.00	0.20	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.52	0.74	1.10	1.39	2.12	2.76	5.03	107
1-3636-601- 5245		45.00	0.20	1.6	1.06	1.10	1.14	1.17	1.20	1.30	0.55	0.79	1.17	1.48	2.26	2.94	5.39	114
1-3636-601- 5247		47.00	0.20	1.7	1.06	1.10	1.14	1.17	1.20	1.30	0.57	0.82	1.22	1.54	2.35	3.07	5.63	119
1-3636-601- 5248		48.00	0.25	1.7	1.06	1.10	1.14	1.17	1.20	1.30	0.58	0.84	1.24	1.57	2.40	3.13	5.75	122

D= DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

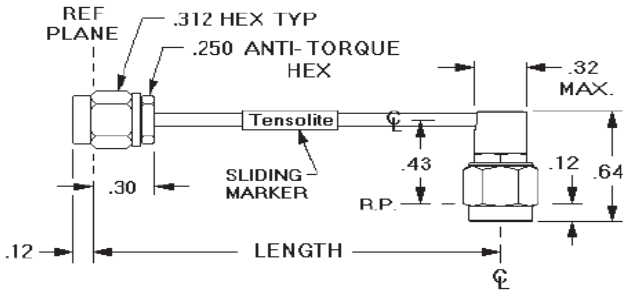
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100.0	db MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY NOMINAL:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	200	136	91	71	46	36
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.19	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE TO SMA MALE RT< ON 601 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY / BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA CAP:	ASTM-B-36, BRASS	QQ-N-290 NICKEL PLATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3637-601- 5202	D	2.00	0.05	0.2	1.10	1.15	1.18	1.20	1.28	1.35	0.11	0.14	0.20	0.24	0.33	0.44	0.24	5.08
1-3637-601- 5203	D	3.00	0.05	0.3	1.10	1.15	1.18	1.20	1.28	1.35	0.12	0.16	0.22	0.27	0.38	0.50	0.36	7.62
1-3637-601- 5204	D	4.00	0.05	0.3	1.10	1.15	1.18	1.20	1.28	1.35	0.13	0.17	0.25	0.30	0.43	0.56	0.48	10.16
1-3637-601- 5205	D	5.00	0.05	0.3	1.10	1.15	1.18	1.20	1.28	1.35	0.14	0.19	0.27	0.33	0.47	0.62	0.60	12.70
1-3637-601- 5206	D	6.00	0.05	0.4	1.10	1.15	1.18	1.20	1.28	1.35	0.15	0.20	0.29	0.36	0.52	0.68	0.72	15.24
1-3637-601- 5207		7.00	0.10	0.4	1.10	1.15	1.18	1.20	1.28	1.35	0.16	0.22	0.32	0.39	0.57	0.74	0.84	17.78
1-3637-601- 5208	D	8.00	0.10	0.4	1.10	1.15	1.18	1.20	1.28	1.35	0.17	0.24	0.34	0.42	0.61	0.80	0.96	20.32
1-3637-601- 5209		9.00	0.10	0.5	1.10	1.15	1.18	1.20	1.28	1.35	0.18	0.25	0.36	0.45	0.66	0.86	1.08	22.86
1-3637-601- 5210		10.00	0.10	0.5	1.10	1.15	1.18	1.20	1.28	1.35	0.19	0.27	0.39	0.48	0.71	0.92	1.20	25.40
1-3637-601- 5211		11.00	0.10	0.5	1.10	1.15	1.18	1.20	1.28	1.35	0.20	0.28	0.41	0.51	0.75	0.98	1.32	27.94
1-3637-601- 5212	D	12.00	0.10	0.6	1.10	1.15	1.18	1.20	1.28	1.35	0.22	0.30	0.44	0.54	0.80	1.04	1.44	30.48
1-3637-601- 5213		13.00	0.15	0.6	1.10	1.15	1.18	1.20	1.28	1.35	0.23	0.32	0.46	0.57	0.85	1.11	1.56	33.02
1-3637-601- 5214		14.00	0.15	0.6	1.10	1.15	1.18	1.20	1.28	1.35	0.24	0.33	0.48	0.60	0.89	1.17	1.68	35.56
1-3637-601- 5215		15.00	0.15	0.7	1.10	1.15	1.18	1.20	1.28	1.35	0.25	0.35	0.51	0.63	0.94	1.23	1.80	38.10
1-3637-601- 5216		16.00	0.15	0.7	1.10	1.15	1.18	1.20	1.28	1.35	0.26	0.36	0.53	0.66	0.99	1.29	1.92	40.64
1-3637-601- 5217		17.00	0.15	0.7	1.10	1.15	1.18	1.20	1.28	1.35	0.27	0.38	0.56	0.69	1.04	1.35	2.04	43.18
1-3637-601- 5218	D	18.00	0.15	0.8	1.10	1.15	1.18	1.20	1.28	1.35	0.28	0.40	0.58	0.72	1.08	1.41	2.16	45.72
1-3637-601- 5219		19.00	0.15	0.8	1.10	1.15	1.18	1.20	1.28	1.35	0.29	0.41	0.60	0.75	1.13	1.47	2.28	48.26
1-3637-601- 5220		20.00	0.15	0.8	1.10	1.15	1.18	1.20	1.28	1.35	0.30	0.43	0.63	0.78	1.18	1.53	2.40	50.80
1-3637-601- 5221		21.00	0.15	0.9	1.10	1.15	1.18	1.20	1.28	1.35	0.31	0.44	0.65	0.81	1.22	1.59	2.52	53.34
1-3637-601- 5222		22.00	0.15	0.9	1.10	1.15	1.18	1.20	1.28	1.35	0.32	0.46	0.67	0.84	1.27	1.65	2.64	55.88
1-3637-601- 5223		23.00	0.15	0.9	1.10	1.15	1.18	1.20	1.28	1.35	0.33	0.47	0.70	0.87	1.32	1.71	2.76	58.42
1-3637-601- 5224	D	24.00	0.15	0.9	1.10	1.15	1.18	1.20	1.28	1.35	0.35	0.49	0.72	0.90	1.36	1.78	2.88	60.96
1-3637-601- 5225		25.00	0.15	1.0	1.10	1.15	1.18	1.20	1.28	1.35	0.36	0.51	0.75	0.93	1.41	1.84	3.00	63.50
1-3637-601- 5226		26.00	0.15	1.0	1.10	1.15	1.18	1.20	1.28	1.35	0.37	0.52	0.77	0.96	1.46	1.90	3.12	66.04
1-3637-601- 5227		27.00	0.15	1.0	1.10	1.15	1.18	1.20	1.28	1.35	0.38	0.54	0.79	0.99	1.50	1.96	3.24	68.58
1-3637-601- 5228		28.00	0.15	1.1	1.10	1.15	1.18	1.20	1.28	1.35	0.39	0.55	0.82	1.03	1.55	2.02	3.36	71.12
1-3637-601- 5229		29.00	0.15	1.1	1.10	1.15	1.18	1.20	1.28	1.35	0.40	0.57	0.84	1.06	1.60	2.08	3.48	73.66
1-3637-601- 5230		30.00	0.15	1.1	1.10	1.15	1.18	1.20	1.28	1.35	0.41	0.59	0.87	1.09	1.64	2.14	3.60	76.20
1-3637-601- 5231		31.00	0.15	1.2	1.10	1.15	1.18	1.20	1.28	1.35	0.42	0.60	0.89	1.12	1.69	2.20	3.71	78.74
1-3637-601- 5232		32.00	0.15	1.2	1.10	1.15	1.18	1.20	1.28	1.35	0.43	0.62	0.91	1.15	1.74	2.26	3.83	81.28
1-3637-601- 5233		33.00	0.15	1.2	1.10	1.15	1.18	1.20	1.28	1.35	0.44	0.63	0.94	1.18	1.78	2.32	3.95	83.82
1-3637-601- 5234		34.00	0.15	1.3	1.10	1.15	1.18	1.20	1.28	1.35	0.45	0.65	0.96	1.21	1.83	2.38	4.07	86.36
1-3637-601- 5235		35.00	0.15	1.3	1.10	1.15	1.18	1.20	1.28	1.35	0.46	0.67	0.98	1.24	1.88	2.45	4.19	88.90
1-3637-601- 5236		36.00	0.15	1.3	1.10	1.15	1.18	1.20	1.28	1.35	0.48	0.68	1.01	1.27	1.92	2.51	4.31	91.44
1-3637-601- 5237		37.00	0.20	1.4	1.12	1.17	1.02	1.23	1.30	1.38	0.49	0.70	1.03	1.30	1.97	2.57	4.43	93.98
1-3637-601- 5238		38.00	0.20	1.4	1.12	1.17	1.02	1.23	1.30	1.38	0.50	0.71	1.06	1.33	2.02	2.63	4.55	96.52
1-3637-601- 5239		39.00	0.20	1.4	1.12	1.17	1.02	1.23	1.30	1.38	0.51	0.73	1.08	1.36	2.06	2.69	4.67	99.06
1-3637-601- 5240		40.00	0.20	1.5	1.12	1.17	1.02	1.23	1.30	1.38	0.52	0.75	1.10	1.39	2.11	2.75	4.79	101.60
1-3637-601- 5241		41.00	0.20	1.5	1.12	1.17	1.02	1.23	1.30	1.38	0.53	0.76	1.13	1.42	2.16	2.81	4.91	104.14
1-3637-601- 5242		42.00	0.20	1.5	1.12	1.17	1.02	1.23	1.30	1.38	0.54	0.78	1.15	1.45	2.20	2.87	5.03	106.68
1-3637-601- 5243		43.00	0.20	1.6	1.12	1.17	1.02	1.23	1.30	1.38	0.55	0.79	1.17	1.48	2.25	2.93	5.15	109.22
1-3637-601- 5244		44.00	0.20	1.6	1.12	1.17	1.02	1.23	1.30	1.38	0.56	0.81	1.20	1.51	2.30	2.99	5.27	111.76
1-3637-601- 5245		45.00	0.20	1.6	1.12	1.17	1.02	1.23	1.30	1.38	0.57	0.83	1.22	1.54	2.34	3.05	5.39	114.30
1-3637-601- 5246		46.00	0.20	1.7	1.12	1.17	1.02	1.23	1.30	1.38	0.58	0.84	1.25	1.57	2.39	3.12	5.51	116.84
1-3637-601- 5247		47.00	0.20	1.7	1.12	1.17	1.02	1.23	1.30	1.38	0.59	0.86	1.27	1.60	2.44	3.18	5.63	119.38
1-3637-601- 5248		48.00	0.25	1.7	1.12	1.17	1.02	1.23	1.30	1.38	0.61	0.87	1.29	1.63	2.48	3.24	5.75	121.92

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

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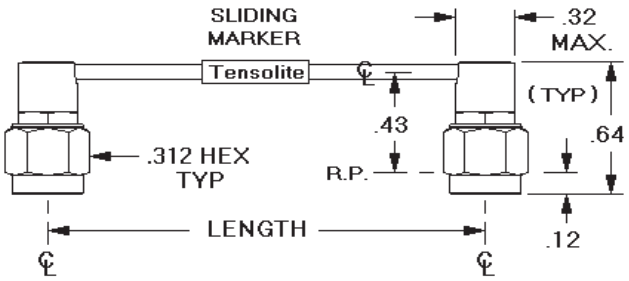
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100.0	db MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY NOMINAL:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	200	136	91	71	46	36
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.19	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE RIGHT ANGLES ON 601 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY / BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA CAP:	ASTM-B-36, BRASS	QQ-N-290 NICKEL PLATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3737-601- 3202	D	2.00	0.05	0.3	1.10	1.15	1.20	1.25	1.30	1.35	0.10	0.13	0.19	0.22	0.32	0.41	0.24	5.08
1-3737-601- 3203	D	3.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.11	0.15	0.21	0.25	0.36	0.48	0.36	7.62
1-3737-601- 3204	D	4.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.12	0.16	0.24	0.28	0.41	0.54	0.48	10.16
1-3737-601- 3205	D	5.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.13	0.18	0.26	0.31	0.46	0.60	0.60	12.70
1-3737-601- 3206	D	6.00	0.05	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.15	0.20	0.28	0.34	0.50	0.66	0.72	15.24
1-3737-601- 3207		7.00	0.10	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.21	0.31	0.38	0.55	0.72	0.84	17.78
1-3737-601- 3208	D	8.00	0.10	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.17	0.23	0.33	0.41	0.60	0.78	0.96	20.32
1-3737-601- 3209		9.00	0.10	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.24	0.35	0.44	0.64	0.84	1.08	22.86
1-3737-601- 3210		10.00	0.10	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.26	0.38	0.47	0.69	0.90	1.20	25.40
1-3737-601- 3211		11.00	0.10	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.20	0.28	0.40	0.50	0.74	0.96	1.32	27.94
1-3737-601- 3212	D	12.00	0.10	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.29	0.43	0.53	0.78	1.02	1.44	30.48
1-3737-601- 3213		13.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.22	0.31	0.45	0.56	0.83	1.08	1.56	33.02
1-3737-601- 3214		14.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.32	0.47	0.59	0.88	1.15	1.68	35.56
1-3737-601- 3215		15.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.34	0.50	0.62	0.92	1.21	1.80	38.10
1-3737-601- 3216		16.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.36	0.52	0.65	0.97	1.27	1.92	40.64
1-3737-601- 3217		17.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.37	0.55	0.68	1.02	1.33	2.04	43.18
1-3737-601- 3218	D	18.00	0.15	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.39	0.57	0.71	1.06	1.39	2.16	45.72
1-3737-601- 3219		19.00	0.15	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.40	0.59	0.74	1.11	1.45	2.28	48.26
1-3737-601- 3220		20.00	0.15	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.42	0.62	0.77	1.16	1.51	2.40	50.80
1-3737-601- 3221		21.00	0.15	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.44	0.64	0.80	1.20	1.57	2.52	53.34
1-3737-601- 3222		22.00	0.15	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.45	0.66	0.83	1.25	1.63	2.64	55.88
1-3737-601- 3223		23.00	0.15	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.47	0.69	0.86	1.30	1.69	2.76	58.42
1-3737-601- 3224	D	24.00	0.15	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.34	0.48	0.71	0.89	1.35	1.75	2.88	60.96
1-3737-601- 3225		25.00	0.15	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.50	0.74	0.92	1.39	1.82	3.00	63.50
1-3737-601- 3226		26.00	0.15	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.52	0.76	0.95	1.44	1.88	3.12	66.04
1-3737-601- 3227		27.00	0.15	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.53	0.78	0.98	1.49	1.94	3.24	68.58
1-3737-601- 3228		28.00	0.15	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.55	0.81	1.01	1.53	2.00	3.36	71.12
1-3737-601- 3229		29.00	0.15	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.56	0.83	1.04	1.58	2.06	3.48	73.66
1-3737-601- 3230		30.00	0.15	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.41	0.58	0.86	1.07	1.63	2.12	3.60	76.20
1-3737-601- 3231		31.00	0.15	1.3	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.60	0.88	1.10	1.67	2.18	3.71	78.74
1-3737-601- 3232		32.00	0.15	1.3	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.61	0.90	1.13	1.72	2.24	3.83	81.28
1-3737-601- 3233		33.00	0.15	1.3	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.63	0.93	1.16	1.77	2.30	3.95	83.82
1-3737-601- 3234		34.00	0.15	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.64	0.95	1.20	1.81	2.36	4.07	86.36
1-3737-601- 3235		35.00	0.15	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.66	0.97	1.23	1.86	2.42	4.19	88.90
1-3737-601- 3236		36.00	0.15	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.47	0.68	1.00	1.26	1.91	2.48	4.31	91.44
1-3737-601- 3237		37.00	0.20	1.5	1.15	1.20	1.25	1.30	1.35	1.40	0.48	0.69	1.02	1.29	1.95	2.55	4.43	93.98
1-3737-601- 3238		38.00	0.20	1.5	1.15	1.20	1.25	1.30	1.35	1.40	0.49	0.71	1.05	1.32	2.00	2.61	4.55	96.52
1-3737-601- 3239		39.00	0.20	1.5	1.15	1.20	1.25	1.30	1.35	1.40	0.50	0.72	1.07	1.35	2.05	2.67	4.67	99.06
1-3737-601- 3240		40.00	0.20	1.6	1.15	1.20	1.25	1.30	1.35	1.40	0.51	0.74	1.09	1.38	2.09	2.73	4.79	101.60
1-3737-601- 3241		41.00	0.20	1.6	1.15	1.20	1.25	1.30	1.35	1.40	0.52	0.76	1.12	1.41	2.14	2.79	4.91	104.14
1-3737-601- 3242		42.00	0.20	1.6	1.15	1.20	1.25	1.30	1.35	1.40	0.54	0.77	1.14	1.44	2.19	2.85	5.03	106.68
1-3737-601- 3243		43.00	0.20	1.7	1.15	1.20	1.25	1.30	1.35	1.40	0.55	0.79	1.16	1.47	2.23	2.91	5.15	109.22
1-3737-601- 3244		44.00	0.20	1.7	1.15	1.20	1.25	1.30	1.35	1.40	0.56	0.80	1.19	1.50	2.28	2.97	5.27	111.76
1-3737-601- 3245		45.00	0.20	1.7	1.15	1.20	1.25	1.30	1.35	1.40	0.57	0.82	1.21	1.53	2.33	3.03	5.39	114.30
1-3737-601- 3246		46.00	0.20	1.8	1.15	1.20	1.25	1.30	1.35	1.40	0.58	0.84	1.24	1.56	2.37	3.09	5.51	116.84
1-3737-601- 3247		47.00	0.20	1.8	1.15	1.20	1.25	1.30	1.35	1.40	0.59	0.85	1.26	1.59	2.42	3.15	5.63	119.38
1-3737-601- 3248		48.00	0.20	1.8	1.15	1.20	1.25	1.30	1.35	1.40	0.60	0.87	1.28	1.62	2.47	3.22	5.75	121.92

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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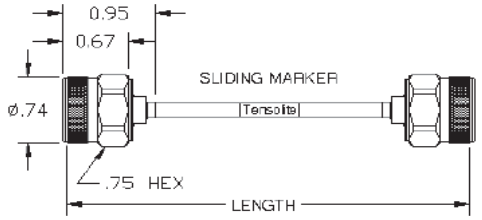
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	200	136	91	71	46	36
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.19	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	(WITH SOLID OUTER)

TYPE N MALE TO TYPE N MALE ON 601 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
BODY:	ASTM-B-36, BRASS	QQ-S-365 SILVER PLATED
NUT:	ASTM-B-36, BRASS	QQ-N-290 NICKEL PLATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED
THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17.		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S12 AND S21 CHARACTERISTICS							
PART NUMBER	LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
				UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-1818-601- 3204	4.0	0.05	2.2	1.15	1.20	1.25	1.30	1.35	1.45	0.12	0.16	0.24	0.28	0.41	0.54	0.48	10.16
1-1818-601- 3205	5.0	0.05	2.2	1.15	1.20	1.25	1.30	1.35	1.45	0.13	0.18	0.26	0.31	0.46	0.60	0.60	12.70
1-1818-601- 3206	6.0	0.05	2.3	1.15	1.20	1.25	1.30	1.35	1.45	0.15	0.20	0.28	0.34	0.50	0.66	0.72	15.24
1-1818-601- 3207	7.0	0.10	2.3	1.15	1.20	1.25	1.30	1.35	1.45	0.16	0.21	0.31	0.38	0.55	0.72	0.84	17.78
1-1818-601- 3208	8.0	0.10	2.3	1.15	1.20	1.25	1.30	1.35	1.45	0.17	0.23	0.33	0.41	0.60	0.78	0.96	20.32
1-1818-601- 3209	9.0	0.10	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.18	0.24	0.35	0.44	0.64	0.84	1.08	22.86
1-1818-601- 3210	10.0	0.10	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.19	0.26	0.38	0.47	0.69	0.90	1.20	25.40
1-1818-601- 3211	11.0	0.10	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.20	0.28	0.40	0.50	0.74	0.96	1.32	27.94
1-1818-601- 3212	12.0	0.10	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.21	0.29	0.43	0.53	0.78	1.02	1.44	30.48
1-1818-601- 3213	13.0	0.10	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.22	0.31	0.45	0.56	0.83	1.08	1.56	33.02
1-1818-601- 3214	14.0	0.10	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.23	0.32	0.47	0.59	0.88	1.15	1.68	35.56
1-1818-601- 3215	15.0	0.10	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.24	0.34	0.50	0.62	0.92	1.21	1.80	38.10
1-1818-601- 3216	16.0	0.10	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.25	0.36	0.52	0.65	0.97	1.27	1.92	40.64
1-1818-601- 3217	17.0	0.10	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.26	0.37	0.55	0.68	1.02	1.33	2.04	43.18
1-1818-601- 3218	18.0	0.10	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.28	0.39	0.57	0.71	1.06	1.39	2.16	45.72
1-1818-601- 3219	19.0	0.10	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.29	0.40	0.59	0.74	1.11	1.45	2.28	48.26
1-1818-601- 3220	20.0	0.10	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.30	0.42	0.62	0.77	1.16	1.51	2.40	50.80
1-1818-601- 3221	21.0	0.10	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.31	0.44	0.64	0.80	1.20	1.57	2.52	53.34
1-1818-601- 3222	22.0	0.10	2.8	1.15	1.20	1.25	1.30	1.35	1.45	0.32	0.45	0.66	0.83	1.25	1.63	2.64	55.88
1-1818-601- 3223	23.0	0.10	2.8	1.15	1.20	1.25	1.30	1.35	1.45	0.33	0.47	0.69	0.86	1.30	1.69	2.76	58.42
1-1818-601- 3224	24.0	0.15	2.8	1.15	1.20	1.25	1.30	1.35	1.45	0.34	0.48	0.71	0.89	1.35	1.75	2.88	60.96
1-1818-601- 3225	25.0	0.15	2.9	1.15	1.20	1.25	1.30	1.35	1.45	0.35	0.50	0.74	0.92	1.39	1.82	3.00	63.50
1-1818-601- 3226	26.0	0.15	2.9	1.15	1.20	1.25	1.30	1.35	1.45	0.36	0.52	0.76	0.95	1.44	1.88	3.12	66.04
1-1818-601- 3227	27.0	0.15	2.9	1.15	1.20	1.25	1.30	1.35	1.45	0.37	0.53	0.78	0.98	1.49	1.94	3.24	68.58
1-1818-601- 3228	28.0	0.15	3.0	1.15	1.20	1.25	1.30	1.35	1.45	0.38	0.55	0.81	1.01	1.53	2.00	3.36	71.12
1-1818-601- 3229	29.0	0.15	3.0	1.15	1.20	1.25	1.30	1.35	1.45	0.39	0.56	0.83	1.04	1.58	2.06	3.48	73.66
1-1818-601- 3230	30.0	0.15	3.0	1.15	1.20	1.25	1.30	1.35	1.45	0.41	0.58	0.86	1.07	1.63	2.12	3.60	76.20
1-1818-601- 3231	31.0	0.15	3.1	1.15	1.20	1.25	1.30	1.35	1.45	0.42	0.60	0.88	1.10	1.67	2.18	3.71	78.74
1-1818-601- 3232	32.0	0.15	3.1	1.15	1.20	1.25	1.30	1.35	1.45	0.43	0.61	0.90	1.13	1.72	2.24	3.83	81.28
1-1818-601- 3233	33.0	0.15	3.1	1.15	1.20	1.25	1.30	1.35	1.45	0.44	0.63	0.93	1.16	1.77	2.30	3.95	83.82
1-1818-601- 3234	34.0	0.15	3.2	1.15	1.20	1.25	1.30	1.35	1.45	0.45	0.64	0.95	1.20	1.81	2.36	4.07	86.36
1-1818-601- 3235	35.0	0.15	3.2	1.15	1.20	1.25	1.30	1.35	1.45	0.46	0.66	0.97	1.23	1.86	2.42	4.19	88.90
1-1818-601- 3236	36.0	0.20	3.2	1.15	1.20	1.25	1.30	1.35	1.45	0.47	0.68	1.00	1.26	1.91	2.48	4.31	91.44
1-1818-601- 3237	37.0	0.20	3.3	1.15	1.20	1.25	1.30	1.35	1.45	0.48	0.69	1.02	1.29	1.95	2.55	4.43	93.98
1-1818-601- 3238	38.0	0.20	3.3	1.15	1.20	1.25	1.30	1.35	1.45	0.49	0.71	1.05	1.32	2.00	2.61	4.55	96.52
1-1818-601- 3239	39.0	0.20	3.3	1.15	1.20	1.25	1.30	1.35	1.45	0.50	0.72	1.07	1.35	2.05	2.67	4.67	99.06
1-1818-601- 3240	40.0	0.20	3.4	1.15	1.20	1.25	1.30	1.35	1.45	0.51	0.74	1.09	1.38	2.09	2.73	4.79	101.60
1-1818-601- 3241	41.0	0.20	3.4	1.15	1.20	1.25	1.30	1.35	1.45	0.52	0.76	1.12	1.41	2.14	2.79	4.91	104.14
1-1818-601- 3242	42.0	0.20	3.4	1.15	1.20	1.25	1.30	1.35	1.45	0.54	0.77	1.14	1.44	2.19	2.85	5.03	106.68
1-1818-601- 3243	43.0	0.20	3.5	1.15	1.20	1.25	1.30	1.35	1.45	0.55	0.79	1.16	1.47	2.23	2.91	5.15	109.22
1-1818-601- 3244	44.0	0.20	3.5	1.15	1.20	1.25	1.30	1.35	1.45	0.56	0.80	1.19	1.50	2.28	2.97	5.27	111.76
1-1818-601- 3245	45.0	0.20	3.5	1.15	1.20	1.25	1.30	1.35	1.45	0.57	0.82	1.21	1.53	2.33	3.03	5.39	114.30
1-1818-601- 3246	46.0	0.20	3.5	1.15	1.20	1.25	1.30	1.35	1.45	0.58	0.84	1.24	1.56	2.37	3.09	5.51	116.84
1-1818-601- 3247	47.0	0.20	3.6	1.15	1.20	1.25	1.30	1.35	1.45	0.59	0.85	1.26	1.59	2.42	3.15	5.63	119.38
1-1818-601- 3248	48.0	0.25	3.6	1.15	1.20	1.25	1.30	1.35	1.45	0.60	0.87	1.28	1.62	2.47	3.22	5.75	121.92

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

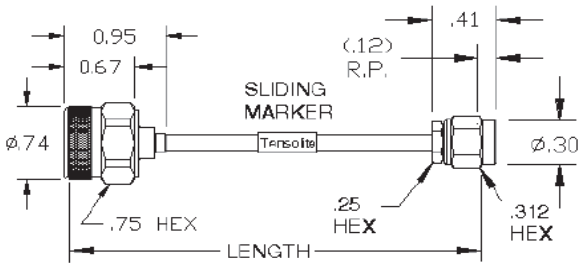
TYPE N MALE TO SMA MALE ON 601 SEMI-FLEX® CABLE.

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHEILDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	200	136	91	71	46	36
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.19	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	N WITH SOLID OUTER



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
TYPE N BODY:	ASTM-B-36, BRASS	QQ-S-365 SILVER PLATED
TYPE N NUT:	ASTM-B-36, BRASS	QQ-N-290 NICKEL PLATED
AVAILABLE GASKET:	ZZ-R-765, SILICON RUBBER	RED
THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17.		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S12 AND S21 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-1836-601- 5204	D	4.0	0.05	1.3	1.10	1.15	1.20	1.25	1.30	1.35	0.12	0.16	0.24	0.28	0.41	0.54	0.48	10.2
1-1836-601- 5205	D	5.0	0.05	1.3	1.10	1.15	1.20	1.25	1.30	1.35	0.13	0.18	0.26	0.31	0.46	0.60	0.60	12.7
1-1836-601- 5206	D	6.0	0.05	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.15	0.20	0.28	0.34	0.50	0.66	0.72	15.2
1-1836-601- 5207	D	7.0	0.10	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.21	0.31	0.38	0.55	0.72	0.84	17.8
1-1836-601- 5208	D	8.0	0.10	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.17	0.23	0.33	0.41	0.60	0.78	0.96	20.3
1-1836-601- 5209		9.0	0.10	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.24	0.35	0.44	0.64	0.84	1.08	22.9
1-1836-601- 5210		10.0	0.10	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.26	0.38	0.47	0.69	0.90	1.20	25.4
1-1836-601- 5211		11.0	0.10	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.20	0.28	0.40	0.50	0.74	0.96	1.32	27.9
1-1836-601- 5212	D	12.0	0.10	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.29	0.43	0.53	0.78	1.02	1.44	30.5
1-1836-601- 5213		13.0	0.15	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.22	0.31	0.45	0.56	0.83	1.08	1.56	33.0
1-1836-601- 5214		14.0	0.15	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.32	0.47	0.59	0.88	1.15	1.68	35.6
1-1836-601- 5215		15.0	0.15	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.34	0.50	0.62	0.92	1.21	1.80	38.1
1-1836-601- 5216		16.0	0.15	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.36	0.52	0.65	0.97	1.27	1.92	40.6
1-1836-601- 5217		17.0	0.15	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.37	0.55	0.68	1.02	1.33	2.04	43.2
1-1836-601- 5218	D	18.0	0.15	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.39	0.57	0.71	1.06	1.39	2.16	45.7
1-1836-601- 5219		19.0	0.15	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.40	0.59	0.74	1.11	1.45	2.28	48.3
1-1836-601- 5220		20.0	0.15	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.42	0.62	0.77	1.16	1.51	2.40	50.8
1-1836-601- 5221		21.0	0.15	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.44	0.64	0.80	1.20	1.57	2.52	53.3
1-1836-601- 5222		22.0	0.15	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.45	0.66	0.83	1.25	1.63	2.64	55.9
1-1836-601- 5223		23.0	0.15	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.47	0.69	0.86	1.30	1.69	2.76	58.4
1-1836-601- 5224	D	24.0	0.15	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.34	0.48	0.71	0.89	1.35	1.75	2.88	61.0
1-1836-601- 5225		25.0	0.15	2.0	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.50	0.74	0.92	1.39	1.82	3.00	63.5
1-1836-601- 5226		26.0	0.15	2.0	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.52	0.76	0.95	1.44	1.88	3.12	66.0
1-1836-601- 5227		27.0	0.15	2.0	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.53	0.78	0.98	1.49	1.94	3.24	68.6
1-1836-601- 5228		28.0	0.15	2.1	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.55	0.81	1.01	1.53	2.00	3.36	71.1
1-1836-601- 5229		29.0	0.15	2.1	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.56	0.83	1.04	1.58	2.06	3.48	73.7
1-1836-601- 5230		30.0	0.15	2.1	1.10	1.15	1.20	1.25	1.30	1.35	0.41	0.58	0.86	1.07	1.63	2.12	3.60	76.2
1-1836-601- 5231		31.0	0.15	2.2	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.60	0.88	1.10	1.67	2.18	3.71	78.7
1-1836-601- 5232		32.0	0.15	2.2	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.61	0.90	1.13	1.72	2.24	3.83	81.3
1-1836-601- 5233		33.0	0.15	2.2	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.63	0.93	1.16	1.77	2.30	3.95	83.8
1-1836-601- 5234		34.0	0.15	2.3	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.64	0.95	1.20	1.81	2.36	4.07	86.4
1-1836-601- 5235		35.0	0.15	2.3	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.66	0.97	1.23	1.86	2.42	4.19	88.9
1-1836-601- 5236		36.0	0.15	2.3	1.15	1.20	1.25	1.30	1.35	1.45	0.47	0.68	1.00	1.26	1.91	2.48	4.31	91.4
1-1836-601- 5237		37.0	0.20	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.48	0.69	1.02	1.29	1.95	2.55	4.43	94.0
1-1836-601- 5238		38.0	0.20	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.49	0.71	1.05	1.32	2.00	2.61	4.55	96.5
1-1836-601- 5239		39.0	0.20	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.50	0.72	1.07	1.35	2.05	2.67	4.67	99.1
1-1836-601- 5240		40.0	0.20	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.51	0.74	1.09	1.38	2.09	2.73	4.79	101.6
1-1836-601- 5241		41.0	0.20	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.52	0.76	1.12	1.41	2.14	2.79	4.91	104.1
1-1836-601- 5242		42.0	0.20	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.54	0.77	1.14	1.44	2.19	2.85	5.03	106.7
1-1836-601- 5243		43.0	0.20	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.55	0.79	1.16	1.47	2.23	2.91	5.15	109.2
1-1836-601- 5244		44.0	0.20	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.56	0.80	1.19	1.50	2.28	2.97	5.27	111.8
1-1836-601- 5245		45.0	0.20	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.57	0.82	1.21	1.53	2.33	3.03	5.39	114.3
1-1836-601- 5246		46.0	0.20	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.58	0.84	1.24	1.56	2.37	3.09	5.51	116.8
1-1836-601- 5247		47.0	0.20	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.59	0.85	1.26	1.59	2.42	3.15	5.63	119.4
1-1836-601- 5248		48.0	0.20	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.60	0.87	1.28	1.62	2.47	3.22	5.75	121.9

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

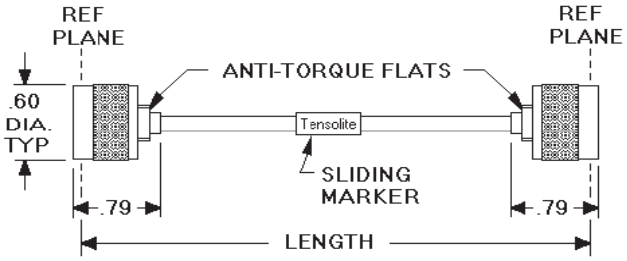
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHEILDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	200	136	91	71	46	36
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.19	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	10-15	INCH POUNDS
TNC CONNECTOR INTERFACE:	MIL-STD-348	(WITH SOLID OUTER)

TNC MALE TO TNC MALE ON 601 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	COPPER BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTNM D1457 PTFE	NONE
TNC BODY:	ASTM B16 BRASS	QQ-S-365 SILVER PLATED
TNC NUT:	ASTM B16 BRASS	QQ-N-290 NICKEL PLATED
GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3030-601- 3204		4.00	0.05	2.0	1.08	1.11	1.13	1.15	1.22	1.30	0.10	0.15	0.22	0.27	0.39	0.50	0.48	10.16
1-3030-601- 3205		5.00	0.05	2.0	1.08	1.11	1.13	1.15	1.22	1.30	0.11	0.16	0.24	0.30	0.44	0.56	0.60	12.70
1-3030-601- 3206		6.00	0.05	2.1	1.08	1.11	1.13	1.15	1.22	1.30	0.13	0.18	0.26	0.33	0.49	0.62	0.72	15.24
1-3030-601- 3207		7.00	0.10	2.1	1.08	1.11	1.13	1.15	1.22	1.30	0.14	0.20	0.29	0.36	0.54	0.68	0.84	17.78
1-3030-601- 3208		8.00	0.10	2.1	1.08	1.11	1.13	1.15	1.22	1.30	0.15	0.21	0.31	0.39	0.58	0.74	0.96	20.32
1-3030-601- 3209		9.00	0.10	2.2	1.08	1.11	1.13	1.15	1.22	1.30	0.16	0.23	0.33	0.42	0.63	0.80	1.08	22.86
1-3030-601- 3210		10.00	0.10	2.2	1.08	1.11	1.13	1.15	1.22	1.30	0.17	0.24	0.36	0.45	0.68	0.86	1.20	25.40
1-3030-601- 3211		11.00	0.10	2.2	1.08	1.11	1.13	1.15	1.22	1.30	0.18	0.26	0.38	0.48	0.72	0.92	1.32	27.94
1-3030-601- 3212		12.00	0.10	2.3	1.08	1.11	1.13	1.15	1.22	1.30	0.19	0.28	0.41	0.51	0.77	0.98	1.44	30.48
1-3030-601- 3213		13.00	0.15	2.3	1.08	1.11	1.13	1.15	1.22	1.30	0.20	0.29	0.43	0.54	0.82	1.05	1.56	33.02
1-3030-601- 3214		14.00	0.15	2.3	1.08	1.11	1.13	1.15	1.22	1.30	0.21	0.31	0.45	0.57	0.86	1.11	1.68	35.56
1-3030-601- 3215		15.00	0.15	2.4	1.08	1.11	1.13	1.15	1.22	1.30	0.22	0.32	0.48	0.60	0.91	1.17	1.80	38.10
1-3030-601- 3216		16.00	0.15	2.4	1.08	1.11	1.13	1.15	1.22	1.30	0.23	0.34	0.50	0.63	0.96	1.23	1.92	40.64
1-3030-601- 3217		17.00	0.15	2.4	1.08	1.11	1.13	1.15	1.22	1.30	0.24	0.36	0.53	0.66	1.00	1.29	2.04	43.18
1-3030-601- 3218		18.00	0.15	2.5	1.08	1.11	1.13	1.15	1.22	1.30	0.26	0.37	0.55	0.69	1.05	1.35	2.16	45.72
1-3030-601- 3219		19.00	0.15	2.5	1.08	1.11	1.13	1.15	1.22	1.30	0.27	0.39	0.57	0.72	1.10	1.41	2.28	48.26
1-3030-601- 3220		20.00	0.15	2.5	1.08	1.11	1.13	1.15	1.22	1.30	0.28	0.40	0.60	0.75	1.14	1.47	2.40	50.80
1-3030-601- 3221		21.00	0.15	2.5	1.08	1.11	1.13	1.15	1.22	1.30	0.29	0.42	0.62	0.78	1.19	1.53	2.52	53.34
1-3030-601- 3222		22.00	0.15	2.6	1.08	1.11	1.13	1.15	1.22	1.30	0.30	0.44	0.64	0.82	1.24	1.59	2.64	55.88
1-3030-601- 3223		23.00	0.15	2.6	1.08	1.11	1.13	1.15	1.22	1.30	0.31	0.45	0.67	0.85	1.28	1.65	2.76	58.42
1-3030-601- 3224		24.00	0.20	2.6	1.08	1.11	1.13	1.15	1.22	1.30	0.32	0.47	0.69	0.88	1.33	1.71	2.88	60.96
1-3030-601- 3225		25.00	0.20	2.7	1.08	1.11	1.13	1.15	1.22	1.30	0.33	0.48	0.72	0.91	1.38	1.77	3.00	63.50
1-3030-601- 3226		26.00	0.20	2.7	1.08	1.11	1.13	1.15	1.22	1.30	0.34	0.50	0.74	0.94	1.42	1.84	3.12	66.04
1-3030-601- 3227		27.00	0.20	2.7	1.08	1.11	1.13	1.15	1.22	1.30	0.35	0.52	0.76	0.97	1.47	1.90	3.24	68.58
1-3030-601- 3228		28.00	0.20	2.8	1.08	1.11	1.13	1.15	1.22	1.30	0.36	0.53	0.79	1.00	1.52	1.96	3.36	71.12
1-3030-601- 3229		29.00	0.20	2.8	1.08	1.11	1.13	1.15	1.22	1.30	0.37	0.55	0.81	1.03	1.56	2.02	3.48	73.66
1-3030-601- 3230		30.00	0.20	2.8	1.08	1.11	1.13	1.15	1.22	1.30	0.39	0.56	0.84	1.06	1.61	2.08	3.60	76.20
1-3030-601- 3231		31.00	0.20	2.9	1.08	1.11	1.13	1.15	1.22	1.30	0.40	0.58	0.86	1.09	1.66	2.14	3.71	78.74
1-3030-601- 3232		32.00	0.20	2.9	1.08	1.11	1.13	1.15	1.22	1.30	0.41	0.60	0.88	1.12	1.70	2.20	3.83	81.28
1-3030-601- 3233		33.00	0.20	2.9	1.08	1.11	1.13	1.15	1.22	1.30	0.42	0.61	0.91	1.15	1.75	2.26	3.95	83.82
1-3030-601- 3234		34.00	0.20	3.0	1.08	1.11	1.13	1.15	1.22	1.30	0.43	0.63	0.93	1.18	1.80	2.32	4.07	86.36
1-3030-601- 3235		35.00	0.20	3.0	1.08	1.11	1.13	1.15	1.22	1.30	0.44	0.64	0.95	1.21	1.84	2.38	4.19	88.90
1-3030-601- 3236		36.00	0.20	3.0	1.08	1.11	1.13	1.15	1.22	1.30	0.45	0.66	0.98	1.24	1.89	2.44	4.31	91.44
1-3030-601- 3237		37.00	0.25	3.1	1.08	1.11	1.13	1.15	1.22	1.30	0.46	0.68	1.00	1.27	1.94	2.50	4.43	93.98
1-3030-601- 3238		38.00	0.25	3.1	1.08	1.11	1.13	1.15	1.22	1.30	0.47	0.69	1.03	1.30	1.98	2.57	4.55	96.52
1-3030-601- 3239		39.00	0.25	3.1	1.08	1.11	1.13	1.15	1.22	1.30	0.48	0.71	1.05	1.33	2.03	2.63	4.67	99.06
1-3030-601- 3240		40.00	0.25	3.2	1.08	1.11	1.13	1.15	1.22	1.30	0.49	0.72	1.07	1.36	2.08	2.69	4.79	101.60
1-3030-601- 3241		41.00	0.25	3.2	1.08	1.11	1.13	1.15	1.22	1.30	0.50	0.74	1.10	1.39	2.12	2.75	4.91	104.14
1-3030-601- 3242		42.00	0.25	3.2	1.08	1.11	1.13	1.15	1.22	1.30	0.52	0.76	1.12	1.42	2.17	2.81	5.03	106.68
1-3030-601- 3243		43.00	0.25	3.3	1.08	1.11	1.13	1.15	1.22	1.30	0.53	0.77	1.14	1.45	2.22	2.87	5.15	109.22
1-3030-601- 3244		44.00	0.25	3.3	1.08	1.11	1.13	1.15	1.22	1.30	0.54	0.79	1.17	1.48	2.26	2.93	5.27	111.76
1-3030-601- 3245		45.00	0.25	3.3	1.08	1.11	1.13	1.15	1.22	1.30	0.55	0.80	1.19	1.51	2.31	2.99	5.39	114.30
1-3030-601- 3246		46.00	0.25	3.3	1.08	1.11	1.13	1.15	1.22	1.30	0.56	0.82	1.22	1.54	2.36	3.05	5.51	116.84
1-3030-601- 3247		47.00	0.25	3.4	1.08	1.11	1.13	1.15	1.22	1.30	0.57	0.84	1.24	1.57	2.40	3.11	5.63	119.38
1-3030-601- 3248		48.00	0.30	3.4	1.08	1.11	1.13	1.15	1.22	1.30	0.58	0.85	1.26	1.61	2.45	3.17	5.75	121.92
1-3030-601- 3262		62.00	0.30	3.9	1.08	1.11	1.13	1.15	1.22	1.30	0.73	1.07	1.60	2.03	3.11	4.02	7.43	157.48
1-3030-601- 3263		63.00	0.30	3.9	1.08	1.11	1.13	1.15	1.22	1.30	0.74	1.09	1.62	2.06	3.15	4.09	7.55	160.02
1-3030-601- 3270		70.00	0.30	4.1	1.08	1.11	1.13	1.15	1.22	1.30	0.82	1.20	1.79	2.27	3.48	4.51	8.39	177.80
1-3030-601- 3299		99.00	0.30	5.0	1.08	1.11	1.13	1.15	1.22	1.30	1.13	1.67	2.48	3.15	4.84	6.27	11.86	251.46

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

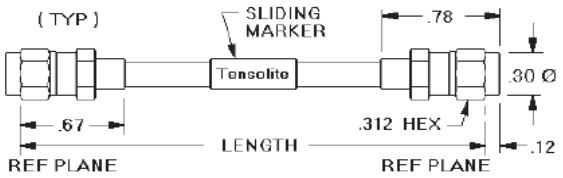
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:					50	OHMS
CAPACITANCE NOMINAL:					28.8	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:					70.7	%
RELATIVE SHIELDING:					-100.0	db MIN.
INSULATION RESISTANCE:					1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:					1500	VRMS MIN.
ELECTRICAL DELAY NOMINAL:					1.44	ns/FOOT
ELECTRICAL DELAY NOMINAL:					120	ps/INCH
MAX. PULSE RF POWER:					1250	WATTS
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	
MAX. CW WATTS --->	373	244	160	125	81	

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.250	INCHES
MIN. BEND RADIUS:	0.75	INCHES
PREFERRED BEND RADIUS:	2.25	INCHES
CONNECTOR RETENTION:	80	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE TO SMA MALE ON 606 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS					S12 AND S21 CHARACTERISTICS						
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)					MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)					NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	DELAY nS	CM
1-3636-606- 5103		3.00	0.05	0.5	1.10	1.15	1.20	1.25	1.30	0.09	0.12	0.17	0.20	0.29	0.36	7.62
1-3636-606- 5104	D	4.00	0.05	0.7	1.10	1.15	1.20	1.25	1.30	0.10	0.13	0.19	0.22	0.32	0.48	10.16
1-3636-606- 5105	D	5.00	0.05	0.8	1.10	1.15	1.20	1.25	1.30	0.11	0.14	0.20	0.24	0.35	0.60	12.7
1-3636-606- 5106	D	6.00	0.05	0.9	1.10	1.15	1.20	1.25	1.30	0.12	0.15	0.22	0.26	0.39	0.72	15.2
1-3636-606- 5107	D	7.00	0.10	1.0	1.10	1.15	1.20	1.25	1.30	0.12	0.16	0.24	0.28	0.42	0.84	17.8
1-3636-606- 5108	D	8.00	0.10	1.2	1.10	1.15	1.20	1.25	1.30	0.13	0.18	0.25	0.31	0.45	0.96	20.3
1-3636-606- 5109		9.00	0.10	1.3	1.10	1.15	1.20	1.25	1.30	0.14	0.19	0.27	0.33	0.48	1.08	22.9
1-3636-606- 5110		10.00	0.10	1.4	1.10	1.15	1.20	1.25	1.30	0.15	0.20	0.29	0.35	0.51	1.20	25.4
1-3636-606- 5111		11.00	0.10	1.5	1.10	1.15	1.20	1.25	1.30	0.15	0.21	0.30	0.37	0.55	1.32	27.9
1-3636-606- 5112	D	12.00	0.10	1.6	1.10	1.15	1.20	1.25	1.30	0.16	0.22	0.32	0.39	0.58	1.44	30.5
1-3636-606- 5113		13.00	0.15	1.8	1.10	1.15	1.20	1.25	1.30	0.17	0.23	0.33	0.41	0.61	1.56	33.0
1-3636-606- 5114		14.00	0.15	1.9	1.10	1.15	1.20	1.25	1.30	0.18	0.24	0.35	0.43	0.64	1.68	35.6
1-3636-606- 5115		15.00	0.15	2.0	1.10	1.15	1.20	1.25	1.30	0.18	0.25	0.37	0.45	0.68	1.80	38.1
1-3636-606- 5116		16.00	0.15	2.1	1.10	1.15	1.20	1.25	1.30	0.19	0.26	0.38	0.47	0.71	1.92	40.6
1-3636-606- 5117		17.00	0.15	2.2	1.10	1.15	1.20	1.25	1.30	0.20	0.28	0.40	0.49	0.74	2.04	43.2
1-3636-606- 5118	D	18.00	0.15	2.4	1.10	1.15	1.20	1.25	1.30	0.21	0.29	0.42	0.51	0.77	2.16	45.7
1-3636-606- 5119		19.00	0.15	2.5	1.10	1.15	1.20	1.25	1.30	0.21	0.30	0.43	0.54	0.81	2.28	48.3
1-3636-606- 5120		20.00	0.15	2.6	1.10	1.15	1.20	1.25	1.30	0.22	0.31	0.45	0.56	0.84	2.40	50.8
1-3636-606- 5121		21.00	0.15	2.7	1.10	1.15	1.20	1.25	1.30	0.23	0.32	0.47	0.58	0.87	2.52	53.3
1-3636-606- 5122		22.00	0.15	2.8	1.10	1.15	1.20	1.25	1.30	0.24	0.33	0.48	0.60	0.90	2.64	55.9
1-3636-606- 5123		23.00	0.15	3.0	1.10	1.15	1.20	1.25	1.30	0.25	0.34	0.50	0.62	0.94	2.76	58.4
1-3636-606- 5124	D	24.00	0.20	3.1	1.10	1.15	1.20	1.25	1.30	0.25	0.35	0.52	0.64	0.97	2.88	61.0
1-3636-606- 5125		25.00	0.20	3.2	1.10	1.15	1.20	1.25	1.30	0.26	0.37	0.53	0.66	1.00	3.00	63.5
1-3636-606- 5128		28.00	0.20	3.6	1.10	1.15	1.20	1.25	1.30	0.28	0.40	0.58	0.72	1.10	3.36	71.1
1-3636-606- 5129		29.00	0.20	3.7	1.10	1.15	1.20	1.25	1.30	0.29	0.41	0.60	0.74	1.13	3.48	73.7
1-3636-606- 5131		31.00	0.20	3.9	1.10	1.15	1.20	1.25	1.30	0.31	0.43	0.63	0.79	1.20	3.71	78.7
1-3636-606- 5134		34.00	0.20	4.3	1.10	1.15	1.20	1.25	1.30	0.33	0.47	0.68	0.85	1.29	4.07	86.4
1-3636-606- 5137		37.00	0.20	4.7	1.10	1.15	1.20	1.25	1.30	0.35	0.50	0.73	0.91	1.39	4.43	94.0
1-3636-606- 5140		40.00	0.20	5.0	1.10	1.15	1.20	1.25	1.30	0.38	0.53	0.78	0.97	1.49	4.79	101.6
1-3636-606- 5143		43.00	0.20	5.4	1.10	1.15	1.20	1.25	1.30	0.40	0.57	0.83	1.04	1.58	5.15	109
1-3636-606- 5146		46.00	0.20	5.8	1.10	1.15	1.20	1.25	1.30	0.42	0.60	0.88	1.10	1.68	5.51	117
1-3636-606- 5148		48.00	0.25	6.0	1.10	1.15	1.20	1.25	1.30	0.44	0.62	0.91	1.14	1.75	5.75	122
1-3636-606- 5149		49.00	0.25	6.1	1.10	1.15	1.20	1.25	1.30	0.44	0.63	0.93	1.16	1.78	5.87	124
1-3636-606- 5150		50.00	0.25	6.2	1.10	1.15	1.20	1.25	1.30	0.45	0.64	0.95	1.18	1.81	5.99	127
1-3636-606- 5151		51.00	0.25	6.4	1.10	1.15	1.20	1.25	1.30	0.46	0.66	0.96	1.20	1.84	6.11	130
1-3636-606- 5152		52.00	0.25	6.5	1.10	1.15	1.20	1.25	1.30	0.47	0.67	0.98	1.22	1.88	6.23	132
1-3636-606- 5154		54.00	0.25	6.7	1.10	1.15	1.20	1.25	1.30	0.48	0.69	1.01	1.27	1.94	6.47	137
1-3636-606- 5156		56.00	0.25	7.0	1.10	1.15	1.20	1.25	1.30	0.50	0.71	1.04	1.31	2.01	6.71	142
1-3636-606- 5158		58.00	0.25	7.2	1.10	1.15	1.20	1.25	1.30	0.51	0.73	1.08	1.35	2.07	6.95	147
1-3636-606- 5160		60.00	0.30	7.5	1.10	1.15	1.20	1.25	1.30	0.53	0.76	1.11	1.39	2.13	7.19	152
1-3636-606- 5162		62.00	0.30	7.7	1.10	1.15	1.20	1.25	1.30	0.54	0.78	1.14	1.43	2.20	7.43	157
1-3636-606- 5164		64.00	0.30	7.9	1.10	1.15	1.20	1.25	1.30	0.56	0.80	1.18	1.48	2.26	7.67	163
1-3636-606- 5166		66.00	0.30	8.2	1.10	1.15	1.20	1.25	1.30	0.57	0.82	1.21	1.52	2.33	7.91	168
1-3636-606- 5168		68.00	0.30	8.4	1.10	1.15	1.20	1.25	1.30	0.59	0.84	1.24	1.56	2.39	8.15	173
1-3636-606- 5170		70.00	0.30	8.7	1.10	1.15	1.20	1.25	1.30	0.60	0.87	1.28	1.60	2.46	8.39	178
1-3636-606- 5172		72.00	0.50	8.9	1.10	1.15	1.20	1.25	1.30	0.62	0.89	1.31	1.64	2.52	8.63	183
1-3636-606- 5175		75.00	0.50	9.3	1.10	1.15	1.20	1.25	1.30	0.64	0.92	1.36	1.71	2.62	8.99	191
1-3636-606- 5178		78.00	0.50	9.6	1.10	1.15	1.20	1.25	1.30	0.66	0.96	1.41	1.77	2.72	9.35	198
1-3636-606- 5179		79.00	0.50	9.8	1.10	1.15	1.20	1.25	1.30	0.67	0.97	1.42	1.79	2.75	9.47	201
1-3636-606- 5180		80.00	0.50	9.9	1.10	1.15	1.20	1.25	1.30	0.68	0.98	1.44	1.81	2.78	9.59	203
1-3636-606- 5182		82.00	0.50	10.1	1.10	1.15	1.20	1.25	1.30	0.70	1.00	1.47	1.85	2.85	9.83	208
1-3636-606- 5184		84.00	0.50	10.4	1.13	1.18	1.23	1.28	1.33	0.71	1.02	1.51	1.89	2.91	10.07	213
1-3636-606- 5188		88.00	0.50	10.9	1.13	1.18	1.23	1.28	1.33	0.74	1.07	1.57	1.98	3.04	10.55	224
1-3636-606- 5190		90.00	0.50	11.1	1.13	1.18	1.23	1.28	1.33	0.76	1.09	1.61	2.02	3.11	10.79	229
1-3636-606- 5196		96.00	0.50	11.8	1.13	1.18	1.23	1.28	1.33	0.80	1.16	1.70	2.14	3.30	11.50	244
1-3636-606- 5199		99.00	0.50	12.2	1.13	1.18	1.23	1.28	1.33	0.82	1.19	1.75	2.21	3.40	11.86	251
2-3636-606- 5109		108.00	1.08	13.3	1.13	1.18	1.23	1.28	1.33	0.89	1.29	1.90	2.39	3.69	12.94	274
2-3636-606- 5110		120.00	1.20	14.7	1.13	1.18	1.23	1.28	1.33	0.99	1.42	2.10	2.65	4.08	14.38	305
2-3636-606- 5111		132.00	1.32	16.2	1.13	1.18	1.23	1.28	1.33	1.08	1.56	2.30	2.90	4.47	15.82	335
2-3636-606- 5112		144.00	1.44	17.7	1.13	1.18	1.23	1.28	1.33	1.17	1.69	2.50	3.15	4.86	17.26	366
2-3636-606- 5115		180.00	1.80	22.0	1.13	1.18	1.23	1.28	1.33	1.44	2.09	3.09	3.90	6.02	21.57	457
2-3636-606- 5120		240.00	2.40	29.3	1.13	1.18	1.23	1.28	1.33	1.90	2.76	4.08	5.15	7.97	28.76	610
2-3636-606- 5125		300.00	3.00	36.6	1.15	1.20	1.25	1.30	1.35	2.36	3.43	5.07	6.41	9.91	35.95	762
2-3636-606- 5130		360.00	3.60	43.9	1.15	1.20	1.25	1.30	1.35	2.82	4.10	6.06	7.66	11.85	43.14	914
2-3636-606- 5135		420.00	4.20	51.1	1.15	1.20	1.25	1.30	1.35	3.27	4.77	7.05	8.91	13.80	50.33	1067
2-3636-606- 5140		480.00	4.80	58.4	1.15	1.20	1.25	1.30	1.35	3.73	5.44	8.04	10.17	15.74	57.52	1219
2-3636-606- 5145		540.00	5.40	65.7	1.15	1.20	1.25	1.30	1.35	4.19	6.11	9.03	11.42	17.69	64.71	1372
2-3636-606- 5150		600.00	6.00	73.0	1.15	1.20	1.25	1.30	1.35	4.65	6.78	10.02	12.68	19.63	71.90	1524
2-3636-606- 5160		720.00	7.20	87.5	1.15	1.20	1.25	1.30	1.35	5.56	8.11	12.00	15.18	23.52	86.28	1829

D DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

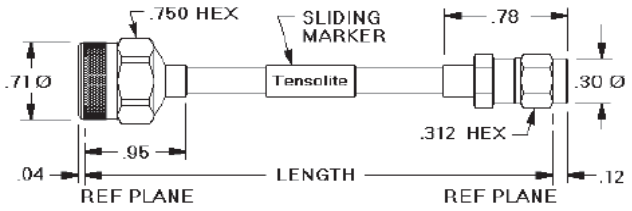
VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100.0	db MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY NOMINAL:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	
MAX. CW WATTS --->	373	244	160	125	81	

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.250	INCHES
MIN. BEND RADIUS:	0.75	INCHES
PREFERRED BEND RADIUS:	2.25	INCHES
CONNECTOR RETENTION:	80	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10 SMA, 10-15 N	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	

N MALE TO SMA MALE ON 606 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
INSULATORS:	ASTM D1457 PTFE	NONE
N BODY:	ASTM B 16 BRASS	MIL-G-45204 GOLD PLATED
N NUT:	ASTM B 16 BRASS	QQ-N-290 NICKEL
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS					S12 AND S21 CHARACTERISTICS						
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)					MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)					NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	DELAY nS	CM
1-1836-606- 5104		4.00	0.05	0.7	1.15	1.20	1.25	1.30	1.35	0.12	0.16	0.23	0.27	0.39	0.48	10.16
1-1836-606- 5105		5.00	0.05	0.8	1.15	1.20	1.25	1.30	1.35	0.13	0.17	0.24	0.29	0.42	0.60	12.70
1-1836-606- 5106	D	6.00	0.05	0.9	1.15	1.20	1.25	1.30	1.35	0.14	0.18	0.26	0.31	0.46	0.72	15.2
1-1836-606- 5107	D	7.00	0.05	1.0	1.15	1.20	1.25	1.30	1.35	0.14	0.19	0.28	0.33	0.49	0.84	17.8
1-1836-606- 5108	D	8.00	0.10	1.2	1.15	1.20	1.25	1.30	1.35	0.15	0.20	0.29	0.35	0.52	0.96	20.3
1-1836-606- 5109	D	9.00	0.10	1.3	1.15	1.20	1.25	1.30	1.35	0.16	0.22	0.31	0.38	0.55	1.08	22.9
1-1836-606- 5110	D	10.00	0.10	1.4	1.15	1.20	1.25	1.30	1.35	0.17	0.23	0.33	0.40	0.59	1.20	25.4
1-1836-606- 5111	D	11.00	0.10	1.5	1.15	1.20	1.25	1.30	1.35	0.17	0.24	0.34	0.42	0.62	1.32	27.9
1-1836-606- 5112	D	12.00	0.10	1.6	1.15	1.20	1.25	1.30	1.35	0.18	0.25	0.36	0.44	0.65	1.44	30.5
1-1836-606- 5113		13.00	0.10	1.8	1.15	1.20	1.25	1.30	1.35	0.19	0.26	0.37	0.46	0.68	1.56	33.0
1-1836-606- 5114		14.00	0.15	1.9	1.15	1.20	1.25	1.30	1.35	0.20	0.27	0.39	0.48	0.71	1.68	35.6
1-1836-606- 5115		15.00	0.15	2.0	1.15	1.20	1.25	1.30	1.35	0.20	0.28	0.41	0.50	0.75	1.80	38.1
1-1836-606- 5116		16.00	0.15	2.1	1.15	1.20	1.25	1.30	1.35	0.21	0.29	0.42	0.52	0.78	1.92	40.6
1-1836-606- 5117		17.00	0.15	2.2	1.15	1.20	1.25	1.30	1.35	0.22	0.30	0.44	0.54	0.81	2.04	43.2
1-1836-606- 5118	D	18.00	0.15	2.4	1.15	1.20	1.25	1.30	1.35	0.23	0.32	0.46	0.56	0.84	2.16	45.7
1-1836-606- 5119		19.00	0.15	2.5	1.15	1.20	1.25	1.30	1.35	0.23	0.33	0.47	0.58	0.88	2.28	48.3
1-1836-606- 5120		20.00	0.15	2.6	1.15	1.20	1.25	1.30	1.35	0.24	0.34	0.49	0.60	0.91	2.40	50.8
1-1836-606- 5121		21.00	0.15	2.7	1.15	1.20	1.25	1.30	1.35	0.25	0.35	0.51	0.63	0.94	2.52	53.3
1-1836-606- 5122		22.00	0.15	2.8	1.15	1.20	1.25	1.30	1.35	0.26	0.36	0.52	0.65	0.97	2.64	55.9
1-1836-606- 5123		23.00	0.15	3.0	1.15	1.20	1.25	1.30	1.35	0.27	0.37	0.54	0.67	1.01	2.76	58.4
1-1836-606- 5124	D	24.00	0.15	3.1	1.15	1.20	1.25	1.30	1.35	0.27	0.38	0.56	0.69	1.04	2.88	61.0
1-1836-606- 5125		25.00	0.20	3.2	1.15	1.20	1.25	1.30	1.35	0.28	0.39	0.57	0.71	1.07	3.00	63.5
1-1836-606- 5126		26.00	0.20	3.3	1.15	1.20	1.25	1.30	1.35	0.29	0.40	0.59	0.73	1.10	3.12	66.0
1-1836-606- 5127		27.00	0.20	3.5	1.15	1.20	1.25	1.30	1.35	0.30	0.42	0.61	0.75	1.14	3.24	68.6
1-1836-606- 5128		28.00	0.20	3.6	1.15	1.20	1.25	1.30	1.35	0.30	0.43	0.62	0.77	1.17	3.36	71.1
1-1836-606- 5130		30.00	0.20	3.8	1.15	1.20	1.25	1.30	1.35	0.32	0.45	0.66	0.81	1.23	3.60	76.2
1-1836-606- 5133		33.00	0.20	4.2	1.15	1.20	1.25	1.30	1.35	0.34	0.48	0.70	0.88	1.33	3.95	83.8
1-1836-606- 5136		36.00	0.20	4.5	1.15	1.20	1.25	1.30	1.35	0.36	0.52	0.75	0.94	1.43	4.31	91.4
1-1836-606- 5139		39.00	0.20	4.9	1.15	1.20	1.25	1.30	1.35	0.39	0.55	0.80	1.00	1.52	4.67	99.1
1-1836-606- 5142		42.00	0.20	5.3	1.15	1.20	1.25	1.30	1.35	0.41	0.58	0.85	1.06	1.62	5.03	107
1-1836-606- 5145		45.00	0.20	5.6	1.15	1.20	1.25	1.30	1.35	0.43	0.62	0.90	1.13	1.72	5.39	114
1-1836-606- 5148		48.00	0.25	6.0	1.15	1.20	1.25	1.30	1.35	0.46	0.65	0.95	1.19	1.82	5.75	122
1-1836-606- 5151		51.00	0.25	6.4	1.15	1.20	1.25	1.30	1.35	0.48	0.68	1.00	1.25	1.91	6.11	130
1-1836-606- 5154		54.00	0.25	6.7	1.15	1.20	1.25	1.30	1.35	0.50	0.72	1.05	1.32	2.01	6.47	137
1-1836-606- 5157		57.00	0.25	7.1	1.15	1.20	1.25	1.30	1.35	0.52	0.75	1.10	1.38	2.11	6.83	145
1-1836-606- 5160		60.00	0.25	7.5	1.15	1.20	1.25	1.30	1.35	0.55	0.78	1.15	1.44	2.21	7.19	152
1-1836-606- 5163		63.00	0.25	7.8	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.20	1.50	2.30	7.55	160
1-1836-606- 5166		66.00	0.25	8.2	1.15	1.20	1.25	1.30	1.35	0.59	0.85	1.25	1.57	2.40	7.91	168
1-1836-606- 5169		69.00	0.25	8.6	1.15	1.20	1.25	1.30	1.35	0.62	0.88	1.30	1.63	2.50	8.27	175
1-1836-606- 5172		72.00	0.30	8.9	1.15	1.20	1.25	1.30	1.35	0.64	0.92	1.35	1.69	2.59	8.63	183
1-1836-606- 5178		78.00	0.30	9.6	1.15	1.20	1.25	1.30	1.35	0.68	0.98	1.45	1.82	2.79	9.35	198
1-1836-606- 5184		84.00	0.30	10.4	1.15	1.20	1.25	1.30	1.35	0.73	1.05	1.55	1.94	2.98	10.07	213
1-1836-606- 5190		90.00	0.30	11.1	1.15	1.20	1.25	1.30	1.35	0.78	1.12	1.65	2.07	3.18	10.79	229
1-1836-606- 5196		96.00	0.30	11.8	1.15	1.20	1.25	1.30	1.35	0.82	1.19	1.74	2.19	3.37	11.50	244
2-1836-606- 5110		120.00	1.20	14.7	1.18	1.23	1.28	1.33	1.38	1.01	1.45	2.14	2.69	4.15	14.38	305
2-1836-606- 5112		144.00	1.44	17.7	1.18	1.23	1.28	1.33	1.38	1.19	1.72	2.54	3.20	4.93	17.26	366
2-1836-606- 5115		180.00	1.80	22.0	1.18	1.23	1.28	1.33	1.38	1.46	2.12	3.13	3.95	6.09	21.57	457
2-1836-606- 5120		240.00	2.40	29.3	1.18	1.23	1.28	1.33	1.38	1.92	2.79	4.12	5.20	8.04	28.76	610
2-1836-606- 5125		300.00	3.00	36.6	1.18	1.23	1.28	1.33	1.38	2.38	3.46	5.11	6.46	9.98	35.95	762
2-1836-606- 5130		360.00	3.60	43.9	1.18	1.23	1.28	1.33	1.38	2.84	4.13	6.10	7.71	11.93	43.14	914

D DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

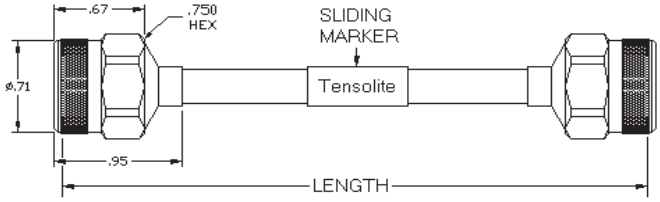
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				3000	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	373	244	160	125	81	63

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.255	INCHES
MIN. BEND RADIUS:	0.75	INCHES
PREFERRED BEND RADIUS:	2.25	INCHES
CONNECTOR RETENTION:	80	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	10-15	INCH POUNDS
TYPE N CONNECTOR INTERFACE:	MIL-STD-348	(WITH SOLID OUTER)

TYPE N MALE TO TYPE N MALE ON 606 SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
TYPE N BODY:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
TYPE N NUT:	ASTM-B-16, BRASS	QQ-N-290, NICKEL PLATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER	LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
				UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-1818-606- 3204	4.00	0.10	2.56	1.15	1.20	1.25	1.30	1.35	1.45	0.12	0.16	0.23	0.27	0.38	0.50	0.48	10.2
1-1818-606- 3205	5.00	0.10	2.68	1.15	1.20	1.25	1.30	1.35	1.45	0.13	0.17	0.24	0.29	0.42	0.54	0.60	12.7
1-1818-606- 3206	6.00	0.10	2.80	1.15	1.20	1.25	1.30	1.35	1.45	0.14	0.18	0.26	0.31	0.45	0.58	0.72	15.2
1-1818-606- 3207	7.00	0.10	2.92	1.15	1.20	1.25	1.30	1.35	1.45	0.14	0.19	0.28	0.33	0.48	0.62	0.84	17.8
1-1818-606- 3208	8.00	0.10	3.05	1.15	1.20	1.25	1.30	1.35	1.45	0.15	0.20	0.29	0.35	0.51	0.66	0.96	20.3
1-1818-606- 3209	9.00	0.10	3.17	1.15	1.20	1.25	1.30	1.35	1.45	0.16	0.22	0.31	0.38	0.54	0.70	1.08	22.9
1-1818-606- 3210	10.00	0.10	3.29	1.15	1.20	1.25	1.30	1.35	1.45	0.17	0.23	0.33	0.40	0.58	0.75	1.20	25.4
1-1818-606- 3211	11.00	0.10	3.41	1.15	1.20	1.25	1.30	1.35	1.45	0.17	0.24	0.34	0.42	0.61	0.79	1.32	27.9
1-1818-606- 3212	12.00	0.10	3.53	1.15	1.20	1.25	1.30	1.35	1.45	0.18	0.25	0.36	0.44	0.64	0.83	1.44	30.5
1-1818-606- 3213	13.00	0.15	3.65	1.15	1.20	1.25	1.30	1.35	1.45	0.19	0.26	0.37	0.46	0.67	0.87	1.56	33.0
1-1818-606- 3214	14.00	0.15	3.77	1.15	1.20	1.25	1.30	1.35	1.45	0.20	0.27	0.39	0.48	0.70	0.91	1.68	35.6
1-1818-606- 3215	15.00	0.15	3.90	1.15	1.20	1.25	1.30	1.35	1.45	0.20	0.28	0.41	0.50	0.73	0.95	1.80	38.1
1-1818-606- 3216	16.00	0.15	4.02	1.15	1.20	1.25	1.30	1.35	1.45	0.21	0.29	0.42	0.52	0.77	0.99	1.92	40.6
1-1818-606- 3217	17.00	0.15	4.14	1.15	1.20	1.25	1.30	1.35	1.45	0.22	0.30	0.44	0.54	0.80	1.03	2.04	43.2
1-1818-606- 3218	18.00	0.15	4.26	1.15	1.20	1.25	1.30	1.35	1.45	0.23	0.32	0.46	0.56	0.83	1.07	2.16	45.7
1-1818-606- 3219	19.00	0.15	4.38	1.15	1.20	1.25	1.30	1.35	1.45	0.23	0.33	0.47	0.58	0.86	1.11	2.28	48.3
1-1818-606- 3220	20.00	0.15	4.50	1.15	1.20	1.25	1.30	1.35	1.45	0.24	0.34	0.49	0.60	0.89	1.16	2.40	50.8
1-1818-606- 3221	21.00	0.15	4.62	1.15	1.20	1.25	1.30	1.35	1.45	0.25	0.35	0.51	0.63	0.92	1.20	2.52	53.3
1-1818-606- 3222	22.00	0.15	4.74	1.15	1.20	1.25	1.30	1.35	1.45	0.26	0.36	0.52	0.65	0.96	1.24	2.64	55.9
1-1818-606- 3223	23.00	0.15	4.87	1.15	1.20	1.25	1.30	1.35	1.45	0.27	0.37	0.54	0.67	0.99	1.28	2.76	58.4
1-1818-606- 3224	24.00	0.15	4.99	1.15	1.20	1.25	1.30	1.35	1.45	0.27	0.38	0.56	0.69	1.02	1.32	2.88	61.0
1-1818-606- 3225	25.00	0.15	5.11	1.15	1.20	1.25	1.30	1.35	1.45	0.28	0.39	0.57	0.71	1.05	1.36	3.00	63.5
1-1818-606- 3226	26.00	0.15	5.23	1.15	1.20	1.25	1.30	1.35	1.45	0.29	0.40	0.59	0.73	1.08	1.40	3.12	66.0
1-1818-606- 3227	27.00	0.15	5.35	1.15	1.20	1.25	1.30	1.35	1.45	0.30	0.42	0.61	0.75	1.12	1.44	3.24	68.6
1-1818-606- 3228	28.00	0.15	5.47	1.15	1.20	1.25	1.30	1.35	1.45	0.30	0.43	0.62	0.77	1.15	1.48	3.36	71.1
1-1818-606- 3229	29.00	0.15	5.59	1.15	1.20	1.25	1.30	1.35	1.45	0.31	0.44	0.64	0.79	1.18	1.52	3.48	73.7
1-1818-606- 3230	30.00	0.15	5.72	1.15	1.20	1.25	1.30	1.35	1.45	0.32	0.45	0.66	0.81	1.21	1.57	3.60	76.2
1-1818-606- 3231	31.00	0.15	5.84	1.15	1.20	1.25	1.30	1.35	1.45	0.33	0.46	0.67	0.83	1.24	1.61	3.71	78.7
1-1818-606- 3232	32.00	0.15	5.96	1.15	1.20	1.25	1.30	1.35	1.45	0.33	0.47	0.69	0.86	1.27	1.65	3.83	81.3
1-1818-606- 3233	33.00	0.15	6.08	1.15	1.20	1.25	1.30	1.35	1.45	0.34	0.48	0.70	0.88	1.31	1.69	3.95	83.8
1-1818-606- 3234	34.00	0.15	6.20	1.15	1.20	1.25	1.30	1.35	1.45	0.35	0.49	0.72	0.90	1.34	1.73	4.07	86.4
1-1818-606- 3235	35.00	0.15	6.32	1.15	1.20	1.25	1.30	1.35	1.45	0.36	0.51	0.74	0.92	1.37	1.77	4.19	88.9
1-1818-606- 3236	36.00	0.15	6.44	1.15	1.20	1.25	1.30	1.35	1.45	0.36	0.52	0.75	0.94	1.40	1.81	4.31	91.4
1-1818-606- 3237	37.00	0.20	6.56	1.15	1.20	1.25	1.30	1.35	1.45	0.37	0.53	0.77	0.96	1.43	1.85	4.43	94.0
1-1818-606- 3238	38.00	0.20	6.69	1.15	1.20	1.25	1.30	1.35	1.45	0.38	0.54	0.79	0.98	1.46	1.89	4.55	96.5
1-1818-606- 3239	39.00	0.20	6.81	1.15	1.20	1.25	1.30	1.35	1.45	0.39	0.55	0.80	1.00	1.50	1.93	4.67	99.1
1-1818-606- 3240	40.00	0.20	6.93	1.15	1.20	1.25	1.30	1.35	1.45	0.40	0.56	0.82	1.02	1.53	1.98	4.79	101.6
1-1818-606- 3241	41.00	0.20	7.05	1.15	1.20	1.25	1.30	1.35	1.45	0.40	0.57	0.84	1.04	1.56	2.02	4.91	104.1
1-1818-606- 3242	42.00	0.20	7.17	1.15	1.20	1.25	1.30	1.35	1.45	0.41	0.58	0.85	1.06	1.59	2.06	5.03	106.7
1-1818-606- 3243	43.00	0.20	7.29	1.15	1.20	1.25	1.30	1.35	1.45	0.42	0.59	0.87	1.09	1.62	2.10	5.15	109.2
1-1818-606- 3244	44.00	0.20	7.41	1.15	1.20	1.25	1.30	1.35	1.45	0.43	0.61	0.89	1.11	1.65	2.14	5.27	111.8
1-1818-606- 3245	45.00	0.20	7.54	1.15	1.20	1.25	1.30	1.35	1.45	0.43	0.62	0.90	1.13	1.69	2.18	5.39	114.3
1-1818-606- 3246	46.00	0.20	7.66	1.15	1.20	1.25	1.30	1.35	1.45	0.44	0.63	0.92	1.15	1.72	2.22	5.51	116.8
1-1818-606- 3247	47.00	0.20	7.78	1.15	1.20	1.25	1.30	1.35	1.45	0.45	0.64	0.94	1.17	1.75	2.26	5.63	119.4
1-1818-606- 3248	48.00	0.20	7.90	1.15	1.20	1.25	1.30	1.35	1.45	0.46	0.65	0.95	1.19	1.78	2.30	5.75	121.9

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

VISIT OUR WEB SITE AT http://www.tensolite.com

SEMI-FLEX® PLUS SERIES

Assembly Cable Code	OD
620	.112"
621	.180"
650	.100"
651	.151"

DESCRIPTION

SEMI-FLEX® "Plus" is a unique **ALTERNATIVE** to the use of semi-rigid coax. **SEMI-FLEX® "Plus"** enhances Tensolite's **SEMI-FLEX®** by using a clear polyurethane jacket over a tin filled wire braid outer conductor. A solid secondary outer conductor and semi-rigid style core ensure electrical performance comparable to semi-rigid. If your application calls for High Temperature, use our **SEMI-FLEX® Plus "HIGH TEMPERATURE"** 650 or 651 Series (-50 to 200° C) by adding our Blue FEP jacket.

No significant electrical degradation occurs when **SEMI-FLEX® "Plus"** is formed! The cable retains its' shape, making installations simple. And the outer jacket now allows the semi-rigid replacement to be used where space and possible shorting considerations prohibit the use of non-insulated cable assemblies. The product is available in standard lengths utilizing Tensolite's high performance anti-torque SMA.

SEMI-FLEX® "Plus" allows the user to have all the advantages of a hand formable cable and a flexible cable all in one. Eliminate tooling, drafting, purchasing and manufacturing problems all at once with **SEMI-FLEX® "Plus".**

APPLICATIONS

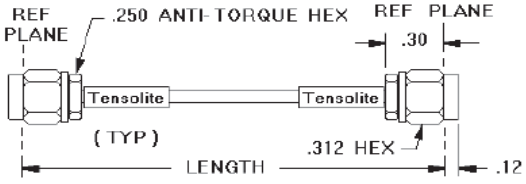
- Replacement for OEM semi-rigid
- RFI and leakage sensitive areas
- Low cost, temporary port extensions
- Breadboarding, design and full-scale production phase
- Emergency field replacement
- High Temperature

FEATURES

- Jacketed with a polyurethane insulation or FEP
- Bends easily by hand with minimum degradation
- Electrical performance comparable to semi-rigid
- 100% shielded, 3 metal outer conductors for low leakage
- Eliminates tooling
- Eliminates solder joint failures
- Cuts time and costs in design, drafting, purchasing and manufacturing
- Wide assortment IN STOCK for a same day to 24 hour delivery
- Available with crimp SMA plugs or Tensolite's popular anti-torque SMA plugs

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

18 GHz SMA MALE TO SMA MALE ON 620 JACKETED SEMI-FLEX® CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.80	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	17	12	7	5	3	2
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.112	INCHES
MIN. BEND RADIUS:	0.15	INCHES
PREFERRED BEND RADIUS:	0.40	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTES:
DATA SHEET 1-3636-600-5248 DESCRIBES THE UN-JACKETED VERSION
A +- 4.2 pS DELAY/ PHASE MATCHED VERSION IS DESCRIBED ON 1-3636-600-P248 DATA SHEET
A 75 OHM UN-JACKETED VERSION IS DESCRIBED ON 1-3636-670-5248 DATA SHEET

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				PRODUCT MAXIMUM S11 AND S22 CHARACTERISTICS						PRODUCT MAXIMUM S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-620- 5202	D	2.0	0.05	0.2	1.05	1.08	1.13	1.15	1.18	1.28	0.07	0.10	0.14	0.18	0.26	0.32	0.24	5.08
1-3636-620- 5203	D	3.0	0.05	0.2	1.05	1.08	1.13	1.15	1.18	1.28	0.09	0.13	0.18	0.23	0.33	0.42	0.36	7.62
1-3636-620- 5204	D	4.0	0.05	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.11	0.15	0.22	0.28	0.41	0.52	0.48	10.16
1-3636-620- 5205	D	5.0	0.05	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.13	0.18	0.26	0.33	0.48	0.61	0.60	12.70
1-3636-620- 5206	D	6.0	0.10	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.14	0.21	0.30	0.38	0.56	0.71	0.72	15.24
1-3636-620- 5207	D	7.0	0.10	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.16	0.24	0.34	0.43	0.64	0.81	0.84	17.78
1-3636-620- 5208	D	8.0	0.10	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.18	0.26	0.38	0.48	0.71	0.91	0.96	20.32
1-3636-620- 5209	D	9.0	0.10	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.20	0.29	0.42	0.53	0.79	1.00	1.08	22.86
1-3636-620- 5210	D	10.0	0.10	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.22	0.32	0.46	0.58	0.87	1.10	1.20	25.40
1-3636-620- 5211	D	11.0	0.10	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.24	0.35	0.51	0.63	0.94	1.20	1.32	27.94
1-3636-620- 5212	D	12.0	0.15	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.26	0.37	0.55	0.68	1.02	1.29	1.44	30.48
1-3636-620- 5213	D	13.0	0.15	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.28	0.40	0.59	0.73	1.09	1.39	1.56	33.02
1-3636-620- 5214	D	14.0	0.15	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.30	0.43	0.63	0.79	1.17	1.49	1.68	35.56
1-3636-620- 5215	D	15.0	0.15	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.32	0.46	0.67	0.84	1.25	1.59	1.80	38.10
1-3636-620- 5216	D	16.0	0.15	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.33	0.48	0.71	0.89	1.32	1.68	1.92	40.64
1-3636-620- 5217	D	17.0	0.15	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.35	0.51	0.75	0.94	1.40	1.78	2.04	43.18
1-3636-620- 5218	D	18.0	0.15	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.37	0.54	0.79	0.99	1.47	1.88	2.16	45.72
1-3636-620- 5219	D	19.0	0.15	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.39	0.57	0.83	1.04	1.55	1.97	2.28	48.26
1-3636-620- 5220	D	20.0	0.15	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.41	0.59	0.87	1.09	1.63	2.07	2.40	50.80
1-3636-620- 5221	D	21.0	0.15	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.43	0.62	0.91	1.14	1.70	2.17	2.52	53.34
1-3636-620- 5222	D	22.0	0.15	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.45	0.65	0.95	1.19	1.78	2.27	2.64	55.88
1-3636-620- 5223	D	23.0	0.15	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.47	0.68	0.99	1.24	1.86	2.36	2.76	58.42
1-3636-620- 5224	D	24.0	0.15	0.7	1.05	1.08	1.13	1.15	1.18	1.28	0.49	0.71	1.03	1.29	1.93	2.46	2.88	60.96
1-3636-620- 5225		25.0	0.15	0.7	1.05	1.08	1.13	1.15	1.18	1.28	0.51	0.73	1.07	1.35	2.01	2.56	3.00	63.50
1-3636-620- 5226		26.0	0.15	0.7	1.05	1.08	1.13	1.15	1.18	1.28	0.53	0.76	1.11	1.40	2.08	2.65	3.12	66.04
1-3636-620- 5227		27.0	0.15	0.7	1.05	1.08	1.13	1.15	1.18	1.28	0.54	0.79	1.15	1.45	2.16	2.75	3.24	68.58
1-3636-620- 5228		28.0	0.15	0.7	1.05	1.08	1.13	1.15	1.18	1.28	0.56	0.82	1.19	1.50	2.24	2.85	3.36	71.12
1-3636-620- 5229		29.0	0.15	0.8	1.05	1.08	1.13	1.15	1.18	1.28	0.58	0.84	1.23	1.55	2.31	2.95	3.48	73.66
1-3636-620- 5230	D	30.0	0.15	0.8	1.05	1.08	1.13	1.15	1.18	1.28	0.60	0.87	1.27	1.60	2.39	3.04	3.60	76.20
1-3636-620- 5231		31.0	0.15	0.8	1.05	1.08	1.13	1.15	1.18	1.28	0.62	0.90	1.31	1.65	2.46	3.14	3.71	78.74
1-3636-620- 5232		32.0	0.15	0.8	1.05	1.08	1.13	1.15	1.18	1.28	0.64	0.93	1.35	1.70	2.54	3.24	3.83	81.28
1-3636-620- 5233		33.0	0.15	0.8	1.05	1.08	1.13	1.15	1.18	1.28	0.66	0.95	1.40	1.75	2.62	3.34	3.95	83.82
1-3636-620- 5234		34.0	0.15	0.9	1.05	1.08	1.13	1.15	1.18	1.28	0.68	0.98	1.44	1.80	2.69	3.43	4.07	86.36
1-3636-620- 5235		35.0	0.15	0.9	1.05	1.08	1.13	1.15	1.18	1.28	0.70	1.01	1.48	1.85	2.77	3.53	4.19	88.90
1-3636-620- 5236	D	36.0	0.15	0.9	1.05	1.08	1.13	1.15	1.18	1.28	0.72	1.04	1.52	1.91	2.85	3.63	4.31	91.44
1-3636-620- 5237		37.0	0.15	0.9	1.05	1.08	1.13	1.15	1.18	1.28	0.73	1.06	1.56	1.96	2.92	3.72	4.43	93.98
1-3636-620- 5238		38.0	0.15	0.9	1.05	1.08	1.13	1.15	1.18	1.28	0.75	1.09	1.60	2.01	3.00	3.82	4.55	96.52
1-3636-620- 5239		39.0	0.15	1.0	1.05	1.08	1.13	1.15	1.18	1.28	0.77	1.12	1.64	2.06	3.07	3.92	4.67	99.06
1-3636-620- 5240		40.0	0.15	1.0	1.05	1.08	1.13	1.15	1.18	1.28	0.79	1.15	1.68	2.11	3.15	4.02	4.79	101.60
1-3636-620- 5241		41.0	0.15	1.0	1.05	1.08	1.13	1.15	1.18	1.28	0.81	1.18	1.72	2.16	3.23	4.11	4.91	104.14
1-3636-620- 5242		42.0	0.15	1.0	1.05	1.08	1.13	1.15	1.18	1.28	0.83	1.20	1.76	2.21	3.30	4.21	5.03	106.68
1-3636-620- 5245		45.0	0.15	1.1	1.05	1.08	1.13	1.15	1.18	1.28	0.89	1.29	1.88	2.36	3.53	4.50	5.39	114.30
1-3636-620- 5246		46.0	0.15	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.91	1.31	1.92	2.41	3.61	4.60	5.51	116.84
1-3636-620- 5248	D	48.0	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.94	1.37	2.00	2.52	3.76	4.79	5.75	121.92
1-3636-620- 5254		54.0	0.20	1.3	1.10	1.15	1.20	1.25	1.30	1.35	1.06	1.53	2.25	2.82	4.22	5.38	6.47	137.16
1-3636-620- 5260		60.0	0.25	1.4	1.10	1.15	1.20	1.25	1.30	1.35	1.17	1.70	2.49	3.13	4.67	5.96	7.19	152.40
1-3636-620- 5266		66.0	0.25	1.5	1.10	1.15	1.20	1.25	1.30	1.35	1.29	1.87	2.73	3.43	5.13	6.54	7.91	167.64
1-3636-620- 5272		72.0	0.50	1.6	1.10	1.15	1.20	1.25	1.30	1.35	1.40	2.03	2.97	3.74	5.59	7.13	8.63	182.88
1-3636-620- 5284		84.0	0.50	1.9	1.10	1.15	1.20	1.25	1.30	1.35	1.63	2.36	3.46	4.35	6.50	8.29	10.07	213.36
1-3636-620- 5296		96.0	0.50	2.1	1.10	1.15	1.20	1.25	1.30	1.35	1.86	2.69	3.94	4.96	7.41	9.46	11.50	243.84
1-3636-620- 5299		99.0	0.50	2.2	1.10	1.15	1.20	1.25	1.30	1.35	1.91	2.78	4.07	5.11	7.64	9.75	11.86	251.46
2-3636-620- 5209		108.0	0.50	2.3	1.10	1.15	1.20	1.25	1.30	1.35	2.09	3.03	4.43	5.57	8.33	10.63	12.94	274.32
2-3636-620- 5210		120.0	0.50	2.6	1.10	1.15	1.20	1.25	1.30	1.35	2.31	3.36	4.92	6.18	9.24	11.79	14.38	304.80
2-3636-620- 5212		144.0	0.50	3.1	1.10	1.15	1.20	1.25	1.30	1.35	2.77	4.02	5.89	7.40	11.07	14.13	17.26	365.76
2-3636-620- 5215		180.0	0.50	3.8	1.10	1.15	1.20	1.25	1.30	1.35	3.46	5.01	7.34	9.23	13.81	17.63	21.57	457.20

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM ONLY

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

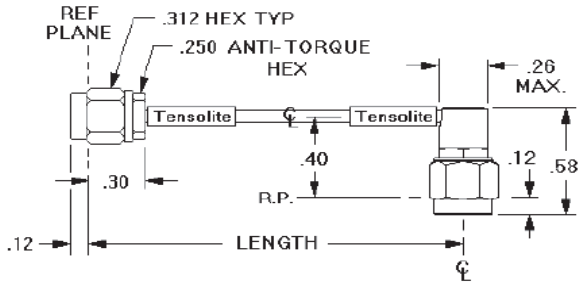
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	17	12	7	5	3	2
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.112	INCHES
MIN. BEND RADIUS:	0.15	INCHES
PREFERRED BEND RADIUS:	0.40	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

18 GHz SMA MALE TO SMA MALE RT < ON 620 JACKETED SEMI-FLEX® CABLE.



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3637-620-5202		2.00	0.00	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.14	0.20	0.24	0.34	0.44	0.27	5.08
1-3637-620-5203	D	3.00	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.17	0.24	0.29	0.42	0.54	0.38	7.62
1-3637-620-5204	D	4.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.20	0.28	0.34	0.49	0.64	0.50	10.16
1-3637-620-5205	D	5.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.22	0.32	0.39	0.57	0.74	0.62	12.70
1-3637-620-5206	D	6.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.36	0.44	0.65	0.83	0.74	15.24
1-3637-620-5207	D	7.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.40	0.49	0.72	0.93	0.86	17.78
1-3637-620-5208	D	8.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.31	0.44	0.55	0.80	1.03	0.98	20.32
1-3637-620-5209	D	9.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.34	0.48	0.60	0.87	1.12	1.10	22.86
1-3637-620-5210	D	10.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.36	0.52	0.65	0.95	1.22	1.22	25.40
1-3637-620-5211	D	11.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.57	0.70	1.03	1.32	1.34	27.94
1-3637-620-5212	D	12.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.61	0.75	1.10	1.42	1.46	30.48
1-3637-620-5213		13.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.45	0.65	0.80	1.18	1.51	1.58	33.02
1-3637-620-5214		14.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.47	0.69	0.85	1.25	1.61	1.70	35.56
1-3637-620-5215		15.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.50	0.73	0.90	1.33	1.71	1.82	38.10
1-3637-620-5216		16.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.53	0.77	0.95	1.41	1.81	1.94	40.64
1-3637-620-5217		17.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.56	0.81	1.00	1.48	1.90	2.06	43.18
1-3637-620-5218	D	18.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.85	1.05	1.56	2.00	2.18	45.72
1-3637-620-5219		19.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.61	0.89	1.10	1.64	2.10	2.30	48.26
1-3637-620-5220		20.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.45	0.64	0.93	1.16	1.71	2.19	2.42	50.80
1-3637-620-5221		21.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.47	0.67	0.97	1.21	1.79	2.29	2.54	53.34
1-3637-620-5222		22.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.49	0.69	1.01	1.26	1.86	2.39	2.66	55.88
1-3637-620-5223		23.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.51	0.72	1.05	1.31	1.94	2.49	2.78	58.42
1-3637-620-5224	D	24.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.53	0.75	1.09	1.36	2.02	2.58	2.90	60.96
1-3637-620-5225		25.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.55	0.78	1.13	1.41	2.09	2.68	3.02	63.50
1-3637-620-5226		26.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.57	0.80	1.17	1.46	2.17	2.78	3.14	66.04
1-3637-620-5227		27.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.58	0.83	1.21	1.51	2.24	2.87	3.26	68.58
1-3637-620-5228		28.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.60	0.86	1.25	1.56	2.32	2.97	3.38	71.12
1-3637-620-5229		29.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.62	0.89	1.29	1.61	2.40	3.07	3.50	73.66
1-3637-620-5230		30.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.64	0.92	1.33	1.66	2.47	3.17	3.62	76.20
1-3637-620-5231		31.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.66	0.94	1.37	1.72	2.55	3.26	3.74	78.74
1-3637-620-5232		32.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.68	0.97	1.41	1.77	2.63	3.36	3.86	81.28
1-3637-620-5233		33.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.70	1.00	1.46	1.82	2.70	3.46	3.98	83.82
1-3637-620-5234		34.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.72	1.03	1.50	1.87	2.78	3.56	4.10	86.36
1-3637-620-5235		35.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.74	1.05	1.54	1.92	2.85	3.65	4.22	88.90
1-3637-620-5236		36.00	0.15	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.08	1.58	1.97	2.93	3.75	4.34	91.44
1-3637-620-5237		37.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.77	1.11	1.62	2.02	3.01	3.85	4.46	93.98
1-3637-620-5238		38.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.79	1.14	1.66	2.07	3.08	3.94	4.58	96.52
1-3637-620-5239		39.37	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.17	1.71	2.14	3.19	4.08	4.74	100.00
1-3637-620-5240		40.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.83	1.19	1.74	2.17	3.23	4.14	4.82	101.60
1-3637-620-5241		41.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.85	1.22	1.78	2.22	3.31	4.24	4.94	104.14
1-3637-620-5242		42.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.87	1.25	1.82	2.27	3.39	4.33	5.06	106.68
1-3637-620-5243		43.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.89	1.27	1.86	2.33	3.46	4.43	5.18	109.22
1-3637-620-5244		44.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.91	1.30	1.90	2.38	3.54	4.53	5.30	111.76
1-3637-620-5245		45.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.93	1.33	1.94	2.43	3.62	4.62	5.42	114.30
1-3637-620-5246		46.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.95	1.36	1.98	2.48	3.69	4.72	5.54	116.84
1-3637-620-5247		47.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.96	1.38	2.02	2.53	3.77	4.82	5.66	119.38
1-3637-620-5248		48.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.98	1.41	2.06	2.58	3.84	4.92	5.78	121.92

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.40	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING	-100	db MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY :	1.44	ns /FOOT
ELECTRICAL DELAY :	120	ps /INCH
MAX. PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

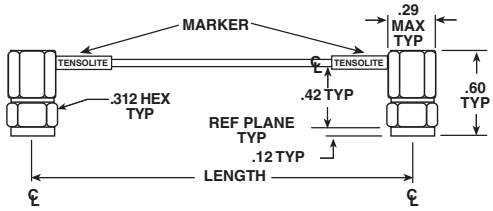
F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	17	12	7	5	3	2
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05

CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.112	INCHES
MIN. BEND RADIUS:	0.15	INCHES
PREFERRED BEND RADIUS:	0.40	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / + 85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE RIGHT ANGLES ON 620 SEMI FLEX® "PLUS" CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	CLEAR
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM B196 BeCu	MIL -G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A 582 303 STAINLESS STEEL	QQ- P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTES:
DATA SHEET 1-3737-600-5248 DESCRIBES THE UNJACKETED VERSION
A +- 4.2pS DELAY /PHASE MATCHED VERSION IS DESCRIBED ON 1-3737-600-P248 DATA SHEET
A 75 OHM UNJACKETED VERSION IS DESCRIBED ON 1-3737-670-5248 DATA SHEET

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						DELAY nS +-4%	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3737-620-3203	D	3.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.18	0.26	0.32	0.45	0.58	0.41	7.62
1-3737-620-3204	D	4.00	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.21	0.30	0.37	0.53	0.68	0.53	10.16
1-3737-620-3205	D	5.00	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.24	0.34	0.42	0.60	0.78	0.65	12.70
1-3737-620-3206	D	6.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.27	0.38	0.47	0.68	0.88	0.77	15.24
1-3737-620-3207	D	7.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.29	0.42	0.52	0.76	0.97	0.89	17.78
1-3737-620-3208	D	8.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.32	0.46	0.57	0.83	1.07	1.01	20.32
1-3737-620-3209	D	9.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.35	0.50	0.62	0.91	1.17	1.13	22.86
1-3737-620-3210	D	10.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.54	0.67	0.98	1.26	1.25	25.40
1-3737-620-3211	D	11.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.40	0.59	0.72	1.06	1.36	1.37	27.94
1-3737-620-3212	D	12.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.43	0.63	0.77	1.14	1.46	1.49	30.48
1-3737-620-3213	D	13.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.46	0.67	0.82	1.21	1.56	1.61	33.02
1-3737-620-3214	D	14.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.49	0.71	0.87	1.29	1.65	1.73	35.56
1-3737-620-3215	D	15.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.52	0.75	0.93	1.37	1.75	1.85	38.10
1-3737-620-3216	D	16.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.38	0.54	0.79	0.98	1.44	1.85	1.97	40.64
1-3737-620-3217	D	17.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.83	1.03	1.52	1.94	2.09	43.18
1-3737-620-3218	D	18.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.87	1.08	1.59	2.04	2.21	45.72
1-3737-620-3219	D	19.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.44	0.63	0.91	1.13	1.67	2.14	2.33	48.26
1-3737-620-3220	D	20.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.46	0.65	0.95	1.18	1.75	2.24	2.45	50.80
1-3737-620-3221	D	21.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.48	0.68	0.99	1.23	1.82	2.33	2.57	53.34
1-3737-620-3222	D	22.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.50	0.71	1.03	1.28	1.90	2.43	2.69	55.88
1-3737-620-3223	D	23.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.52	0.74	1.07	1.33	1.97	2.53	2.81	58.42
1-3737-620-3224	D	24.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.54	0.76	1.11	1.38	2.05	2.63	2.93	60.96
1-3737-620-3225		25.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.56	0.79	1.15	1.43	2.13	2.72	3.05	63.50
1-3737-620-3226		26.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.58	0.82	1.19	1.49	2.20	2.82	3.17	66.04
1-3737-620-3227		27.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.59	0.85	1.23	1.54	2.28	2.92	3.29	68.58
1-3737-620-3228		28.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.61	0.87	1.27	1.59	2.36	3.01	3.41	71.12
1-3737-620-3229		29.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.63	0.90	1.31	1.64	2.43	3.11	3.53	73.66
1-3737-620-3230	D	30.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.65	0.93	1.35	1.69	2.51	3.21	3.65	76.20
1-3737-620-3231		31.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.67	0.96	1.39	1.74	2.58	3.31	3.77	78.74
1-3737-620-3232		32.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.69	0.98	1.43	1.79	2.66	3.40	3.89	81.28
1-3737-620-3233		33.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.71	1.01	1.48	1.84	2.74	3.50	4.01	83.82
1-3737-620-3234		34.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.73	1.04	1.52	1.89	2.81	3.60	4.13	86.36
1-3737-620-3235		35.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.35	0.75	1.07	1.56	1.94	2.89	3.69	4.25	88.90
1-3737-620-3236	D	36.00	0.15	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.77	1.10	1.60	1.99	2.96	3.79	4.36	91.44
1-3737-620-3237		37.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.12	1.64	2.04	3.04	3.89	4.48	93.98
1-3737-620-3238		38.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.80	1.15	1.68	2.10	3.12	3.99	4.60	96.52
1-3737-620-3239		39.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.18	1.72	2.15	3.19	4.08	4.72	99.06
1-3737-620-3240		40.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.21	1.76	2.20	3.27	4.18	4.84	101.60
1-3737-620-3241		41.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.86	1.23	1.80	2.25	3.35	4.28	4.96	104.14
1-3737-620-3242		42.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.88	1.26	1.84	2.30	3.42	4.38	5.08	106.68
1-3737-620-3243		43.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.90	1.29	1.88	2.35	3.50	4.47	5.20	109.22
1-3737-620-3244		44.00	0.20	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.92	1.32	1.92	2.40	3.57	4.57	5.32	111.76
1-3737-620-3245		45.00	0.20	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.94	1.34	1.96	2.45	3.65	4.67	5.44	114.30
1-3737-620-3246		46.00	0.20	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.96	1.37	2.00	2.50	3.73	4.76	5.56	116.84
1-3737-620-3247		47.00	0.20	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.40	2.04	2.55	3.80	4.86	5.68	119.38
1-3737-620-3248	D	48.00	0.20	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.99	1.43	2.08	2.60	3.88	4.96	5.80	121.92

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

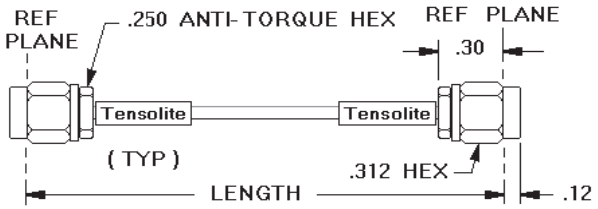
NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	50	35	22	17	12	8
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .55 INCH RADIUS						

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.180	INCHES
MIN. BEND RADIUS:	0.18	INCHES
PREFERRED BEND RADIUS:	0.55	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

18 GHz SMA MALE TO SMA MALE ON 621 SEMI-FLEX® PLUS CABLE.



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3636-621- 5203		3.0	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.09	0.12	0.17	0.20	0.29	0.39	0.36	7.62
1-3636-621- 5204	D	4.0	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.14	0.20	0.23	0.34	0.45	0.48	10.2
1-3636-621- 5205	D	5.0	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.15	0.22	0.27	0.39	0.51	0.60	12.7
1-3636-621- 5206	D	6.0	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.17	0.24	0.30	0.43	0.57	0.72	15.2
1-3636-621- 5207	D	7.0	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.18	0.27	0.33	0.48	0.63	0.84	17.8
1-3636-621- 5208	D	8.0	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.20	0.29	0.36	0.53	0.69	0.96	20.3
1-3636-621- 5209	D	9.0	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.22	0.31	0.39	0.57	0.75	1.08	22.9
1-3636-621- 5210	D	10.0	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.23	0.34	0.42	0.62	0.82	1.20	25.4
1-3636-621- 5211	D	11.0	0.10	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.36	0.45	0.67	0.88	1.32	27.9
1-3636-621- 5212	D	12.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.26	0.39	0.48	0.71	0.94	1.44	30.5
1-3636-621- 5213		13.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.41	0.51	0.76	1.00	1.56	33.0
1-3636-621- 5214		14.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.30	0.43	0.54	0.81	1.06	1.68	35.6
1-3636-621- 5215		15.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.31	0.46	0.57	0.86	1.12	1.80	38.1
1-3636-621- 5216		16.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.33	0.48	0.60	0.90	1.18	1.92	40.6
1-3636-621- 5217		17.0	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.34	0.51	0.63	0.95	1.24	2.04	43.2
1-3636-621- 5218	D	18.0	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.36	0.53	0.66	1.00	1.30	2.16	45.7
1-3636-621- 5219		19.0	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.55	0.69	1.04	1.36	2.28	48.3
1-3636-621- 5220		20.0	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.58	0.72	1.09	1.42	2.40	50.8
1-3636-621- 5221		21.0	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.41	0.60	0.75	1.14	1.48	2.52	53.3
1-3636-621- 5222		22.0	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.62	0.78	1.18	1.54	2.64	55.9
1-3636-621- 5223		23.0	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.44	0.65	0.81	1.23	1.61	2.76	58.4
1-3636-621- 5224	D	24.0	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.46	0.67	0.84	1.28	1.67	2.88	61.0
1-3636-621- 5225		25.0	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.47	0.70	0.87	1.32	1.73	3.00	63.5
1-3636-621- 5226		26.0	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.49	0.72	0.90	1.37	1.79	3.12	66.0
1-3636-621- 5227		27.0	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.50	0.74	0.93	1.42	1.85	3.24	68.6
1-3636-621- 5228		28.0	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.52	0.77	0.96	1.46	1.91	3.36	71.1
1-3636-621- 5229		29.0	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.54	0.79	0.99	1.51	1.97	3.48	73.7
1-3636-621- 5230		30.0	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.55	0.82	1.02	1.56	2.03	3.60	76.2
1-3636-621- 5232		32.0	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.86	1.09	1.65	2.15	3.83	81.3
1-3636-621- 5234		34.0	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.62	0.91	1.15	1.74	2.27	4.07	86.4
1-3636-621- 5236		36.0	0.15	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.45	0.65	0.96	1.21	1.84	2.40	4.31	91.4
1-3636-621- 5239		39.0	0.15	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.48	0.70	1.03	1.30	1.98	2.58	4.67	99.1
1-3636-621- 5242		42.0	0.15	1.6	1.06	1.10	1.14	1.17	1.20	1.30	0.52	0.74	1.10	1.39	2.12	2.76	5.03	106.7
1-3636-621- 5245		45.0	0.15	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.55	0.79	1.17	1.48	2.26	2.94	5.39	114.3
1-3636-621- 5248		48.0	0.20	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.84	1.24	1.57	2.40	3.13	5.75	121.9
1-3636-621- 5254		54.0	0.20	2.0	1.10	1.15	1.20	1.25	1.30	1.35	0.65	0.93	1.39	1.75	2.68	3.49	6.47	137
1-3636-621- 5260		60.4	0.20	2.3	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.04	1.54	1.95	2.98	3.88	7.23	153
1-3636-621- 5266		66.0	0.20	2.5	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.13	1.67	2.12	3.24	4.22	7.91	168
1-3636-621- 5272		72.0	0.20	2.7	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.22	1.82	2.30	3.52	4.59	8.63	183
1-3636-621- 5284		84.0	0.20	3.1	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.41	2.10	2.67	4.08	5.31	10.07	213
1-3636-621- 5288		88.0	0.20	3.2	1.10	1.15	1.20	1.25	1.30	1.35	1.01	1.48	2.20	2.79	4.27	5.56	10.55	224
1-3636-621- 5292		92.0	0.20	3.3	1.10	1.15	1.20	1.25	1.30	1.35	1.06	1.54	2.29	2.91	4.45	5.80	11.03	234
1-3636-621- 5296		96.0	0.20	3.5	1.10	1.15	1.20	1.25	1.30	1.35	1.10	1.60	2.39	3.03	4.64	6.04	11.50	244
1-3636-621- 5299		99.0	0.20	3.6	1.10	1.15	1.20	1.25	1.30	1.35	1.13	1.65	2.46	3.12	4.78	6.23	11.86	251
2-3636-621- 5209		108.0	0.20	3.9	1.10	1.15	1.20	1.25	1.30	1.35	1.23	1.80	2.67	3.39	5.20	6.77	12.94	274
2-3636-621- 5210		120.0	0.20	4.3	1.10	1.15	1.20	1.25	1.30	1.35	1.36	1.99	2.96	3.76	5.76	7.50	14.38	305
2-3636-621- 5212		144.0	0.20	5.1	1.10	1.15	1.20	1.25	1.30	1.35	1.62	2.37	3.53	4.49	6.89	8.96	17.26	366
2-3636-621- 5215		180.0	0.20	6.4	1.10	1.15	1.20	1.25	1.30	1.35	2.01	2.95	4.39	5.58	8.57	11.15	21.57	457

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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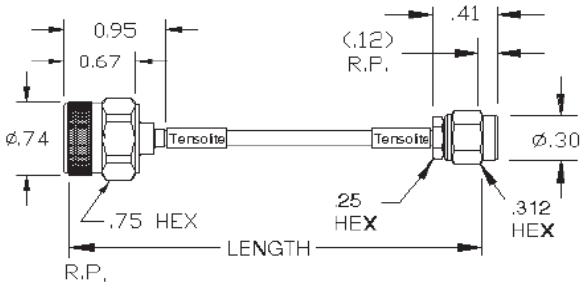
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	50	35	22	17	12	8
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.180	INCHES
MIN. BEND RADIUS:	0.18	INCHES
PREFERRED BEND RADIUS:	0.55	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
TYPE N CONNECTOR INTERFACE:	MIL-STD-348	(WITH SOLID OUTER)

18 GHz TYPE N MALE TO SMA MALE ON 621 JACKETED SEMI FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE N BODY	ASTM B16 BRASS	QQ-S-365 SILVER PLATE
TYPE N NUT	ASTM B16 BRASS	QQ-N-290 NICKLE PLATE
SMA BODY:	ASTM A582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM A582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
AVAILABLE N GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTES: ORDER GASKET PART NUMBER 5-1368-100-17 IF REQUIRED

ITEM INFORMATION		MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-1836-621- 5204	D	4.00	0.05	1.5	1.15	1.20	1.25	1.30	1.35	1.40	0.12	0.16	0.24	0.28	0.41	0.54	0.47	10.2
1-1836-621- 5205	D	5.00	0.05	1.6	1.15	1.20	1.25	1.30	1.35	1.40	0.13	0.18	0.26	0.31	0.46	0.60	0.59	12.7
1-1836-621- 5206	D	6.00	0.05	1.6	1.15	1.20	1.25	1.30	1.35	1.40	0.15	0.20	0.28	0.34	0.50	0.66	0.71	15.2
1-1836-621- 5207	D	7.0	0.10	1.6	1.15	1.20	1.25	1.30	1.35	1.40	0.16	0.21	0.31	0.38	0.55	0.72	0.83	17.8
1-1836-621- 5208	D	8.0	0.10	1.7	1.15	1.20	1.25	1.30	1.35	1.40	0.17	0.23	0.33	0.41	0.60	0.78	0.95	20.3
1-1836-621- 5209	D	9.0	0.10	1.7	1.15	1.20	1.25	1.30	1.35	1.40	0.18	0.24	0.35	0.44	0.64	0.84	1.07	22.9
1-1836-621- 5210	D	10.0	0.10	1.7	1.15	1.20	1.25	1.30	1.35	1.40	0.19	0.26	0.38	0.47	0.69	0.90	1.19	25.4
1-1836-621- 5211	D	11.0	0.10	1.8	1.15	1.20	1.25	1.30	1.35	1.40	0.20	0.28	0.40	0.50	0.74	0.96	1.31	27.9
1-1836-621- 5212	D	12.0	0.10	1.8	1.15	1.20	1.25	1.30	1.35	1.40	0.21	0.29	0.43	0.53	0.78	1.02	1.43	30.5
1-1836-621- 5213		13.0	0.15	1.8	1.15	1.20	1.25	1.30	1.35	1.40	0.22	0.31	0.45	0.56	0.83	1.08	1.55	33.0
1-1836-621- 5214		14.0	0.15	1.9	1.15	1.20	1.25	1.30	1.35	1.40	0.23	0.32	0.47	0.59	0.88	1.14	1.67	35.6
1-1836-621- 5215		15.0	0.15	1.9	1.15	1.20	1.25	1.30	1.35	1.40	0.24	0.34	0.50	0.62	0.92	1.20	1.79	38.1
1-1836-621- 5216		16.0	0.15	1.9	1.15	1.20	1.25	1.30	1.35	1.40	0.25	0.36	0.52	0.65	0.97	1.27	1.91	40.6
1-1836-621- 5217		17.0	0.15	2.0	1.15	1.20	1.25	1.30	1.35	1.40	0.26	0.37	0.55	0.68	1.02	1.33	2.03	43.2
1-1836-621- 5218	D	18.0	0.15	2.0	1.15	1.20	1.25	1.30	1.35	1.40	0.28	0.39	0.57	0.71	1.06	1.39	2.15	45.7
1-1836-621- 5219		19.0	0.15	2.0	1.15	1.20	1.25	1.30	1.35	1.40	0.29	0.40	0.59	0.74	1.11	1.45	2.27	48.3
1-1836-621- 5220		20.0	0.15	2.1	1.15	1.20	1.25	1.30	1.35	1.40	0.30	0.42	0.62	0.77	1.16	1.51	2.39	50.8
1-1836-621- 5221		21.0	0.15	2.1	1.15	1.20	1.25	1.30	1.35	1.40	0.31	0.44	0.64	0.80	1.20	1.57	2.51	53.3
1-1836-621- 5222		22.0	0.15	2.1	1.15	1.20	1.25	1.30	1.35	1.40	0.32	0.45	0.66	0.83	1.25	1.63	2.63	55.9
1-1836-621- 5223		23.0	0.15	2.2	1.15	1.20	1.25	1.30	1.35	1.40	0.33	0.47	0.69	0.86	1.30	1.69	2.75	58.4
1-1836-621- 5224	D	24.0	0.15	2.2	1.15	1.20	1.25	1.30	1.35	1.40	0.34	0.48	0.71	0.89	1.35	1.75	2.87	61.0
1-1836-621- 5227		27.0	0.15	2.3	1.15	1.20	1.25	1.30	1.35	1.40	0.37	0.53	0.78	0.98	1.49	1.93	3.23	68.6
1-1836-621- 5230		30.0	0.15	2.4	1.15	1.20	1.25	1.30	1.35	1.40	0.41	0.58	0.86	1.07	1.63	2.12	3.59	76.2
1-1836-621- 5233		33.0	0.15	2.5	1.15	1.20	1.25	1.30	1.35	1.40	0.44	0.63	0.93	1.16	1.77	2.30	3.95	83.8
1-1836-621- 5236		36.0	0.20	2.6	1.15	1.20	1.25	1.30	1.35	1.40	0.47	0.68	1.00	1.26	1.91	2.48	4.31	91.4
1-1836-621- 5239		39.0	0.20	2.7	1.15	1.20	1.25	1.30	1.35	1.40	0.50	0.72	1.07	1.35	2.05	2.66	4.67	99.1
1-1836-621- 5242		42.0	0.20	2.8	1.15	1.20	1.25	1.30	1.35	1.40	0.54	0.77	1.14	1.44	2.19	2.85	5.03	107
1-1836-621- 5245		45.0	0.20	2.9	1.15	1.20	1.25	1.30	1.35	1.40	0.57	0.82	1.21	1.53	2.33	3.03	5.39	114
1-1836-621- 5248		48.0	0.20	3.0	1.15	1.20	1.25	1.30	1.35	1.40	0.60	0.87	1.28	1.62	2.47	3.21	5.75	122
1-1836-621- 5254		54.0	0.5	3.2	1.15	1.20	1.25	1.30	1.35	1.40	0.67	0.96	1.43	1.80	2.75	3.58	6.47	137
1-1836-621- 5260		60.0	0.6	3.5	1.15	1.20	1.25	1.30	1.35	1.40	0.73	1.06	1.57	1.99	3.03	3.94	7.18	152
1-1836-621- 5266		66.0	0.7	3.7	1.15	1.20	1.25	1.30	1.35	1.40	0.80	1.15	1.71	2.17	3.31	4.31	7.90	168
1-1836-621- 5272		72.0	0.7	3.9	1.15	1.20	1.25	1.30	1.35	1.40	0.86	1.25	1.86	2.35	3.59	4.67	8.62	183
1-1836-621- 5284		84.0	0.8	4.3	1.15	1.20	1.25	1.30	1.35	1.40	0.99	1.44	2.14	2.71	4.15	5.40	10.06	213
1-1836-621- 5296		96.0	1.0	4.7	1.15	1.20	1.25	1.30	1.35	1.40	1.12	1.63	2.43	3.08	4.71	6.13	11.50	244
1-1836-621- 5209		108	1.1	5.1	1.15	1.20	1.25	1.30	1.35	1.40	1.25	1.82	2.71	3.44	5.27	6.86	12.94	274
2-1836-621- 5210		120	1.2	5.5	1.15	1.20	1.25	1.30	1.35	1.40	1.38	2.02	3.00	3.81	5.83	7.59	14.37	305
2-1836-621- 5212		144	1.4	6.3	1.10	1.15	1.20	1.25	1.30	1.35	1.64	2.40	3.57	4.54	6.95	9.05	17.25	366
2-1836-621- 5215		180	1.8	7.6	1.10	1.15	1.20	1.25	1.30	1.35	2.03	2.97	4.43	5.63	8.64	11.24	21.57	457
2-1836-621- 5220		240	2.4	9.6	1.10	1.15	1.20	1.25	1.30	1.35	2.68	3.93	5.86	7.45	11.44	14.89	28.76	610
2-1836-621- 5225		300	3.0	11.7	1.10	1.15	1.20	1.25	1.30	1.35	3.33	4.89	7.29	9.28	14.25	18.53	35.95	762
2-1836-621- 5230		360	3.6	13.8	1.10	1.15	1.20	1.25	1.30	1.35	3.98	5.85	8.72	11.10	17.05	22.18	43.14	914
2-1836-621- 5240		480	4.8	17.9	1.10	1.15	1.20	1.25	1.30	1.35	5.28	7.76	11.58	14.74	22.66	29.48	57.52	1219
2-1836-621- 5250		600	6.0	22.0	1.10	1.15	1.20	1.25	1.30	1.35	6.59	9.68	14.44	18.39	28.27	36.78	71.90	1524

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

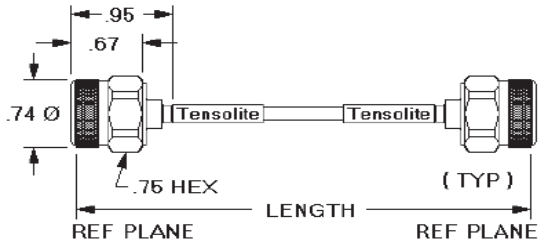
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	50	35	22	17	12	8
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.180	INCHES
MIN. BEND RADIUS:	0.18	INCHES
PREFERRED BEND RADIUS:	0.55	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
TYPE N CONNECTOR INTERFACE:	MIL-STD-348	(WITH SOLID OUTER)

18 GHz TYPE N MALE TO TYPE N MALE ON 621 JACKETED SEMI-FLEX® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE N BODY	ASTM B16 BRASS	QQ-S-365 SILVER PLATE
TYPE N NUT	ASTM B16 BRASS	QQ-N-290 NICKLE PLATE
AVAILABLE GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTES: ORDER GASKET PART NUMBER 5-1368-100-17 IF REQUIRED

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-1818-621- 3204	D	4.00	0.05	2.2	1.15	1.20	1.25	1.30	1.35	1.40	0.12	0.16	0.24	0.28	0.41	0.54	0.47	10.2
1-1818-621- 3205	D	5.00	0.05	2.2	1.15	1.20	1.25	1.30	1.35	1.40	0.13	0.18	0.26	0.31	0.46	0.60	0.59	12.7
1-1818-621- 3206	D	6.00	0.05	2.3	1.15	1.20	1.25	1.30	1.35	1.40	0.15	0.20	0.28	0.34	0.50	0.66	0.71	15.2
1-1818-621- 3207	D	7.00	0.10	2.3	1.15	1.20	1.25	1.30	1.35	1.40	0.16	0.21	0.31	0.38	0.55	0.72	0.83	17.8
1-1818-621- 3208	D	8.00	0.10	2.4	1.15	1.20	1.25	1.30	1.35	1.40	0.17	0.23	0.33	0.41	0.60	0.78	0.95	20.3
1-1818-621- 3209	D	9.00	0.10	2.4	1.15	1.20	1.25	1.30	1.35	1.40	0.18	0.24	0.35	0.44	0.64	0.84	1.07	22.9
1-1818-621- 3210	D	10.00	0.10	2.4	1.15	1.20	1.25	1.30	1.35	1.40	0.19	0.26	0.38	0.47	0.69	0.90	1.19	25.4
1-1818-621- 3211	D	11.00	0.10	2.5	1.15	1.20	1.25	1.30	1.35	1.40	0.20	0.28	0.40	0.50	0.74	0.96	1.31	27.9
1-1818-621- 3212	D	12.00	0.10	2.5	1.15	1.20	1.25	1.30	1.35	1.40	0.21	0.29	0.43	0.53	0.78	1.02	1.43	30.5
1-1818-621- 3213		13.00	0.15	2.5	1.15	1.20	1.25	1.30	1.35	1.40	0.22	0.31	0.45	0.56	0.83	1.08	1.55	33.0
1-1818-621- 3214		14.00	0.15	2.6	1.15	1.20	1.25	1.30	1.35	1.40	0.23	0.32	0.47	0.59	0.88	1.14	1.67	35.6
1-1818-621- 3215		15.00	0.15	2.6	1.15	1.20	1.25	1.30	1.35	1.40	0.24	0.34	0.50	0.62	0.92	1.20	1.79	38.1
1-1818-621- 3216		16.00	0.15	2.6	1.15	1.20	1.25	1.30	1.35	1.40	0.25	0.36	0.52	0.65	0.97	1.27	1.91	40.6
1-1818-621- 3217		17.00	0.15	2.7	1.15	1.20	1.25	1.30	1.35	1.40	0.26	0.37	0.55	0.68	1.02	1.33	2.03	43.2
1-1818-621- 3218	D	18.00	0.15	2.7	1.15	1.20	1.25	1.30	1.35	1.40	0.28	0.39	0.57	0.71	1.06	1.39	2.15	45.7
1-1818-621- 3219		19.00	0.15	2.7	1.15	1.20	1.25	1.30	1.35	1.40	0.29	0.40	0.59	0.74	1.11	1.45	2.27	48.3
1-1818-621- 3220		20.00	0.15	2.8	1.15	1.20	1.25	1.30	1.35	1.40	0.30	0.42	0.62	0.77	1.16	1.51	2.39	50.8
1-1818-621- 3221		21.00	0.15	2.8	1.15	1.20	1.25	1.30	1.35	1.40	0.31	0.44	0.64	0.80	1.20	1.57	2.51	53.3
1-1818-621- 3222		22.00	0.15	2.8	1.15	1.20	1.25	1.30	1.35	1.40	0.32	0.45	0.66	0.83	1.25	1.63	2.63	55.9
1-1818-621- 3223		23.00	0.15	2.9	1.15	1.20	1.25	1.30	1.35	1.40	0.33	0.47	0.69	0.86	1.30	1.69	2.75	58.4
1-1818-621- 3224	D	24.00	0.15	2.9	1.15	1.20	1.25	1.30	1.35	1.40	0.34	0.48	0.71	0.89	1.35	1.75	2.86	61.0
1-1818-621- 3225		25.00	0.15	2.9	1.15	1.20	1.25	1.30	1.35	1.40	0.35	0.50	0.74	0.92	1.39	1.81	2.98	63.5
1-1818-621- 3226		26.00	0.15	3.0	1.15	1.20	1.25	1.30	1.35	1.40	0.36	0.52	0.76	0.95	1.44	1.87	3.10	66.0
1-1818-621- 3227		27.00	0.15	3.0	1.15	1.20	1.25	1.30	1.35	1.40	0.37	0.53	0.78	0.98	1.49	1.93	3.22	68.6
1-1818-621- 3228		28.00	0.15	3.0	1.15	1.20	1.25	1.30	1.35	1.40	0.38	0.55	0.81	1.01	1.53	1.99	3.34	71.1
1-1818-621- 3229		29.00	0.15	3.1	1.15	1.20	1.25	1.30	1.35	1.40	0.39	0.56	0.83	1.04	1.58	2.06	3.46	73.7
1-1818-621- 3230		30.00	0.15	3.1	1.15	1.20	1.25	1.30	1.35	1.40	0.41	0.58	0.86	1.07	1.63	2.12	3.58	76.2
1-1818-621- 3231		31.00	0.15	3.1	1.15	1.20	1.25	1.30	1.35	1.40	0.42	0.60	0.88	1.10	1.67	2.18	3.70	78.7
1-1818-621- 3232		32.00	0.15	3.2	1.15	1.20	1.25	1.30	1.35	1.40	0.43	0.61	0.90	1.13	1.72	2.24	3.82	81.3
1-1818-621- 3233		33.00	0.15	3.2	1.15	1.20	1.25	1.30	1.35	1.40	0.44	0.63	0.93	1.16	1.77	2.30	3.94	83.8
1-1818-621- 3234		34.00	0.15	3.2	1.15	1.20	1.25	1.30	1.35	1.40	0.45	0.64	0.95	1.20	1.81	2.36	4.06	86.4
1-1818-621- 3235		35.00	0.15	3.3	1.15	1.20	1.25	1.30	1.35	1.40	0.46	0.66	0.97	1.23	1.86	2.42	4.18	88.9
1-1818-621- 3236		36.00	0.15	3.3	1.15	1.20	1.25	1.30	1.35	1.40	0.47	0.68	1.00	1.26	1.91	2.48	4.30	91.4
1-1818-621- 3237		37.00	0.15	3.3	1.15	1.20	1.25	1.30	1.35	1.40	0.48	0.69	1.02	1.29	1.95	2.54	4.42	94.0
1-1818-621- 3238		38.00	0.20	3.4	1.15	1.20	1.25	1.30	1.35	1.40	0.49	0.71	1.05	1.32	2.00	2.60	4.54	96.5
1-1818-621- 3239		39.37	0.20	3.4	1.15	1.20	1.25	1.30	1.35	1.40	0.51	0.73	1.08	1.36	2.06	2.69	4.71	100.0
1-1818-621- 3240		40.00	0.20	3.5	1.15	1.20	1.25	1.30	1.35	1.40	0.51	0.74	1.09	1.38	2.09	2.72	4.78	101.6
1-1818-621- 3241		41.00	0.20	3.5	1.20	1.25	1.30	1.35	1.40	1.45	0.52	0.76	1.12	1.41	2.14	2.79	4.90	104.1
1-1818-621- 3242		42.00	0.20	3.5	1.20	1.25	1.30	1.35	1.40	1.45	0.54	0.77	1.14	1.44	2.19	2.85	5.02	106.7
1-1818-621- 3243		43.00	0.20	3.6	1.20	1.25	1.30	1.35	1.40	1.45	0.55	0.79	1.16	1.47	2.23	2.91	5.14	109.2
1-1818-621- 3244		44.00	0.20	3.6	1.20	1.25	1.30	1.35	1.40	1.45	0.56	0.80	1.19	1.50	2.28	2.97	5.26	111.8
1-1818-621- 3245		45.00	0.20	3.6	1.20	1.25	1.30	1.35	1.40	1.45	0.57	0.82	1.21	1.53	2.33	3.03	5.38	114.3
1-1818-621- 3246		46.00	0.20	3.7	1.20	1.25	1.30	1.35	1.40	1.45	0.58	0.84	1.24	1.56	2.37	3.09	5.50	116.8
1-1818-621- 3247		47.00	0.20	3.7	1.20	1.25	1.30	1.35	1.40	1.45	0.59	0.85	1.26	1.59	2.42	3.15	5.62	119.4
1-1818-621- 3248		48.00	0.20	3.7	1.20	1.25	1.30	1.35	1.40	1.45	0.60	0.87	1.28	1.62	2.47	3.21	5.74	121.9
1-1818-621- 3260		60.00	0.20	4.1	1.20	1.25	1.30	1.35	1.40	1.45	0.73	1.06	1.57	1.99	3.03	3.94	7.18	152.4
1-1818-621- 3272		72.00	0.20	4.6	1.20	1.25	1.30	1.35	1.40	1.45	0.86	1.25	1.86	2.35	3.59	4.67	8.62	182.9

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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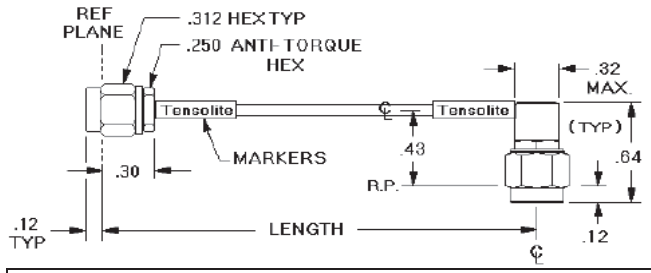
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

18 GHz SMA MALE TO SMA MALE RT < ON 621 JACKETED SEMI-FLEX® CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.80	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	50	35	22	17	12	8
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.180	INCHES
MIN. BEND RADIUS:	0.18	INCHES
PREFERRED BEND RADIUS:	0.55	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3637-621- 5203	D	3.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.14	0.20	0.24	0.35	0.46	0.41	7.62
1-3637-621- 5204	D	4.00	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.12	0.16	0.23	0.27	0.40	0.52	0.53	10.16
1-3637-621- 5205	D	5.00	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.17	0.25	0.30	0.44	0.58	0.65	12.70
1-3637-621- 5206	D	6.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.19	0.27	0.33	0.49	0.64	0.77	15.24
1-3637-621- 5207	D	7.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.21	0.30	0.36	0.54	0.70	0.89	17.78
1-3637-621- 5208	D	8.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.22	0.32	0.39	0.58	0.76	1.01	20.32
1-3637-621- 5209	D	9.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.24	0.34	0.42	0.63	0.82	1.13	22.86
1-3637-621- 5210	D	10.00	0.10	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.37	0.45	0.68	0.88	1.25	25.40
1-3637-621- 5211	D	11.00	0.10	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.27	0.39	0.48	0.72	0.94	1.37	27.94
1-3637-621- 5212	D	12.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.42	0.52	0.77	1.00	1.49	30.48
1-3637-621- 5213		13.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.30	0.44	0.55	0.82	1.07	1.61	33.02
1-3637-621- 5214		14.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.32	0.46	0.58	0.86	1.13	1.73	35.56
1-3637-621- 5215		15.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.33	0.49	0.61	0.91	1.19	1.85	38.10
1-3637-621- 5216		16.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.35	0.51	0.64	0.96	1.25	1.97	40.64
1-3637-621- 5217		17.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.36	0.54	0.67	1.00	1.31	2.09	43.18
1-3637-621- 5218	D	18.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.56	0.70	1.05	1.37	2.21	45.72
1-3637-621- 5219		19.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.40	0.58	0.73	1.10	1.43	2.33	48.26
1-3637-621- 5220		20.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.41	0.61	0.76	1.14	1.49	2.45	50.80
1-3637-621- 5221		21.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.43	0.63	0.79	1.19	1.55	2.57	53.34
1-3637-621- 5222		22.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.44	0.65	0.82	1.24	1.61	2.69	55.88
1-3637-621- 5223		23.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.46	0.68	0.85	1.28	1.67	2.81	58.42
1-3637-621- 5224	D	24.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.48	0.70	0.88	1.33	1.73	2.93	60.96
1-3637-621- 5225		25.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.49	0.73	0.91	1.38	1.80	3.05	63.50
1-3637-621- 5226		26.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.51	0.75	0.94	1.42	1.86	3.17	66.04
1-3637-621- 5227		27.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.52	0.77	0.97	1.47	1.92	3.29	68.58
1-3637-621- 5228		28.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.38	0.54	0.80	1.00	1.52	1.98	3.41	71.12
1-3637-621- 5229		29.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.56	0.82	1.03	1.56	2.04	3.53	73.66
1-3637-621- 5230		30.00	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.85	1.06	1.61	2.10	3.65	76.20
1-3637-621- 5233		33.00	0.15	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.62	0.92	1.15	1.75	2.28	4.00	83.82
1-3637-621- 5236		36.00	0.15	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.46	0.67	0.99	1.24	1.89	2.46	4.36	91.44
1-3637-621- 5239		39.00	0.15	1.6	1.06	1.10	1.14	1.17	1.20	1.30	0.50	0.72	1.06	1.34	2.03	2.65	4.72	99.06
1-3637-621- 5242		42.00	0.15	1.7	1.06	1.10	1.14	1.17	1.20	1.30	0.53	0.76	1.13	1.43	2.17	2.83	5.08	106.68
1-3637-621- 5245		45.00	0.15	1.8	1.06	1.10	1.14	1.17	1.20	1.30	0.56	0.81	1.20	1.52	2.31	3.01	5.44	114.30
1-3637-621- 5248		48.00	0.15	1.9	1.06	1.10	1.14	1.17	1.20	1.30	0.59	0.86	1.27	1.61	2.45	3.19	5.80	121.92
1-3637-621- 5254		54.00	0.15	2.1	1.06	1.10	1.14	1.17	1.20	1.30	0.66	0.96	1.42	1.79	2.73	3.56	6.52	137.16
1-3637-621- 5260		60.00	0.15	2.3	1.06	1.10	1.14	1.17	1.20	1.30	0.73	1.05	1.56	1.97	3.01	3.92	7.24	152.40
1-3637-621- 5262		62.00	0.15	2.4	1.06	1.10	1.14	1.17	1.20	1.30	0.75	1.08	1.61	2.03	3.11	4.05	7.48	157.48
1-3637-621- 5264		64.00	0.15	2.4	1.06	1.10	1.14	1.17	1.20	1.30	0.77	1.11	1.66	2.09	3.20	4.17	7.72	162.56
1-3637-621- 5266		66.00	0.15	2.5	1.06	1.10	1.14	1.17	1.20	1.30	0.79	1.15	1.70	2.16	3.29	4.29	7.96	167.64
1-3637-621- 5272		72.00	0.15	2.7	1.10	1.15	1.20	1.25	1.30	1.35	0.86	1.24	1.85	2.34	3.57	4.65	8.68	182.88
1-3637-621- 5284		84.00	0.20	3.1	1.10	1.15	1.20	1.25	1.30	1.35	0.99	1.43	2.13	2.70	4.13	5.38	10.12	213.36
1-3637-621- 5296		96.00	0.20	3.5	1.10	1.15	1.20	1.25	1.30	1.35	1.12	1.63	2.42	3.07	4.70	6.11	11.55	243.84
1-3637-621- 5299		99.37	0.20	3.6	1.10	1.15	1.20	1.25	1.30	1.35	1.15	1.68	2.50	3.17	4.85	6.32	11.96	252.40
2-3637-621- 5209		108.0	0.20	3.9	1.10	1.15	1.20	1.25	1.30	1.35	1.25	1.82	2.70	3.43	5.26	6.84	12.99	274.32
2-3637-621- 5210		120.0	0.20	4.4	1.10	1.15	1.20	1.25	1.30	1.35	1.38	2.01	2.99	3.80	5.82	7.57	14.43	304.80
2-3637-621- 5212		144.0	0.20	5.2	1.10	1.15	1.20	1.25	1.30	1.35	1.64	2.39	3.56	4.53	6.94	9.03	17.31	365.76
2-3637-621- 5215		180.0	0.20	6.4	1.10	1.15	1.20	1.25	1.30	1.35	2.03	2.97	4.42	5.62	8.62	11.22	21.62	457.20
2-3637-621- 5220		240.0	0.20	8.5	1.10	1.15	1.20	1.25	1.30	1.35	2.68	3.92	5.85	7.44	11.43	14.87	28.81	609.60
2-3637-621- 5225		300.0	0.20	10.6	1.10	1.15	1.20	1.25	1.30	1.35	3.33	4.88	7.28	9.26	14.23	18.52	36.00	762.00
2-3637-621- 5230		360.0	0.20	12.6	1.10	1.15	1.20	1.25	1.30	1.35	3.98	5.84	8.71	11.09	17.04	22.17	43.19	914.40
2-3637-621- 5240		480.0	0.20	16.7	1.10	1.15	1.20	1.25	1.30	1.35	5.28	7.76	11.57	14.73	22.65	29.46	57.57	######
2-3637-621- 5250		600.0	0.20	20.9	1.10	1.15	1.20	1.25	1.30	1.35	6.58	9.67	14.43	18.38	28.26	36.76	71.95	######

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.40	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING	-100	db MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY :	1.44	ns /FOOT
ELECTRICAL DELAY :	120	ps /INCH
MAX. PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM STEM, WITH DUTY CYCLE LESS THAN CW RATING)

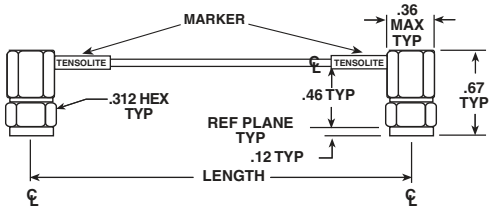
F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	50	35	22	17	12	8
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05

CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.180	INCHES
MIN. BEND RADIUS:	0.18	INCHES
PREFERRED BEND RADIUS:	0.55	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-50 / + 85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE RIGHT ANGLES ON 621 SEMI FLEX® "PLUS" CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	CLEAR
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTES:
DATA SHEET 1-3737-601-3248 DESCRIBES THE UNJACKETED VERSION
A + - 4.2pS DELAY /PHASE MATCHED VERSION IS DESCRIBED ON 1-3737-601-P248 DATA SHEET
A 75 OHM UNJACKETED VERSION IS DESCRIBED ON 1-3737-671-3248 DATA SHEET

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						DELAY nS + -4%	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3737-621- 3203	D	3.00	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.15	0.21	0.25	0.36	0.47	0.42	7.62
1-3737-621- 3204	D	4.00	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.12	0.16	0.24	0.28	0.41	0.54	0.54	10.16
1-3737-621- 3205	D	5.00	0.05	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.18	0.26	0.31	0.46	0.60	0.66	12.70
1-3737-621- 3206	D	6.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.20	0.28	0.34	0.50	0.66	0.78	15.24
1-3737-621- 3207	D	7.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.21	0.31	0.38	0.55	0.72	0.90	17.78
1-3737-621- 3208	D	8.00	0.10	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.23	0.33	0.41	0.60	0.78	1.02	20.32
1-3737-621- 3209	D	9.00	0.10	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.24	0.35	0.44	0.64	0.84	1.14	22.86
1-3737-621- 3210	D	10.00	0.10	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.26	0.38	0.47	0.69	0.90	1.26	25.40
1-3737-621- 3211	D	11.00	0.10	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.40	0.50	0.74	0.96	1.38	27.94
1-3737-621- 3212	D	12.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.29	0.43	0.53	0.78	1.02	1.50	30.48
1-3737-621- 3213		13.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.31	0.45	0.56	0.83	1.08	1.62	33.02
1-3737-621- 3214		14.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.32	0.47	0.59	0.88	1.14	1.74	35.56
1-3737-621- 3215	D	15.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.34	0.50	0.62	0.92	1.20	1.86	38.10
1-3737-621- 3216		16.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.36	0.52	0.65	0.97	1.27	1.98	40.64
1-3737-621- 3217		17.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.37	0.55	0.68	1.02	1.33	2.10	43.18
1-3737-621- 3218	D	18.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.57	0.71	1.06	1.39	2.22	45.72
1-3737-621- 3219		19.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.40	0.59	0.74	1.11	1.45	2.34	48.26
1-3737-621- 3220		20.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.62	0.77	1.16	1.51	2.46	50.80
1-3737-621- 3221		21.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.44	0.64	0.80	1.20	1.57	2.58	53.34
1-3737-621- 3222		22.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.45	0.66	0.83	1.25	1.63	2.70	55.88
1-3737-621- 3223		23.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.47	0.69	0.86	1.30	1.69	2.82	58.42
1-3737-621- 3224	D	24.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.48	0.71	0.89	1.35	1.75	2.94	60.96
1-3737-621- 3225		25.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.50	0.74	0.92	1.39	1.81	3.06	63.50
1-3737-621- 3226		26.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.52	0.76	0.95	1.44	1.87	3.18	66.04
1-3737-621- 3227		27.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.53	0.78	0.98	1.49	1.93	3.30	68.58
1-3737-621- 3228		28.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.38	0.55	0.81	1.01	1.53	1.99	3.42	71.12
1-3737-621- 3229		29.00	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.56	0.83	1.04	1.58	2.06	3.54	73.66
1-3737-621- 3230		30.00	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.86	1.07	1.63	2.12	3.66	76.20
1-3737-621- 3231		31.00	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.88	1.10	1.67	2.18	3.78	78.74
1-3737-621- 3232		32.00	0.15	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.61	0.90	1.13	1.72	2.24	3.90	81.28
1-3737-621- 3233		33.00	0.15	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.44	0.63	0.93	1.16	1.77	2.30	4.02	83.82
1-3737-621- 3234		34.00	0.15	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.45	0.64	0.95	1.20	1.81	2.36	4.14	86.36
1-3737-621- 3235		35.00	0.15	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.46	0.66	0.97	1.23	1.86	2.42	4.26	88.90
1-3737-621- 3236		36.00	0.15	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.47	0.68	1.00	1.26	1.91	2.48	4.38	91.44
1-3737-621- 3237		37.00	0.20	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.69	1.02	1.29	1.95	2.54	4.50	93.98
1-3737-621- 3238		38.00	0.20	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.49	0.71	1.05	1.32	2.00	2.60	4.62	96.52
1-3737-621- 3239		39.00	0.20	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.72	1.07	1.35	2.05	2.66	4.74	99.06
1-3737-621- 3240		40.00	0.20	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.74	1.09	1.38	2.09	2.72	4.86	101.60
1-3737-621- 3241		41.00	0.20	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.52	0.76	1.12	1.41	2.14	2.79	4.98	104.14
1-3737-621- 3242		42.00	0.20	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.77	1.14	1.44	2.19	2.85	5.10	106.68
1-3737-621- 3243		43.00	0.20	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.55	0.79	1.16	1.47	2.23	2.91	5.22	109.22
1-3737-621- 3244		44.00	0.20	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.80	1.19	1.50	2.28	2.97	5.34	111.76
1-3737-621- 3245		45.00	0.20	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.21	1.53	2.33	3.03	5.46	114.30
1-3737-621- 3246		46.00	0.20	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.84	1.24	1.56	2.37	3.09	5.58	116.84
1-3737-621- 3247		47.00	0.20	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.59	0.85	1.26	1.59	2.42	3.15	5.70	119.38
1-3737-621- 3248		48.00	0.20	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.60	0.87	1.28	1.62	2.47	3.21	5.81	121.92
	D = DISTRIBUTOR ITEM				MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.													

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.40	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHEILDING:	-100	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1500	VRMS MIN.
ELECTRICAL DELAY:	1.44	ns/FOOT
ELECTRICAL DELAY:	120	ps/INCH
MAX. PULSE RF POWER:	1250	WATTS
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)		

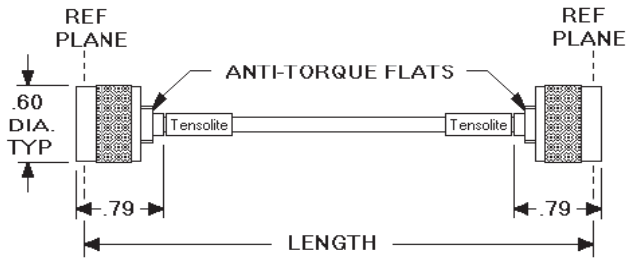
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	50	35	22	17	12	8
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05

CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.180	INCHES
MIN. BEND RADIUS:	0.18	INCHES
PREFERRED BEND RADIUS:	0.55	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
TNC CONNECTOR INTERFACE:	MIL-STD-348	(WITH SOLID OUTER)

TNC MALES ON 621 CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTNM D1457 PTFE	NONE
TNC BODY:	ASTM B16 BRASS	QQ-S-365 SILVER PLATED
TNC NUT:	ASTM B16 BRASS	QQ-N-290 NICKEL PLATED
GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM DELAY nS	LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
1-3030-621- 3204		4.00	0.05	2.0	1.15	1.20	1.25	1.30	1.35	1.45	0.13	0.18	0.26	0.31	0.44	0.58	0.48	10.16
1-3030-621- 3205		5.00	0.05	2.0	1.15	1.20	1.25	1.30	1.35	1.45	0.14	0.19	0.28	0.34	0.49	0.64	0.60	12.70
1-3030-621- 3206		6.00	0.05	2.1	1.15	1.20	1.25	1.30	1.35	1.45	0.16	0.21	0.30	0.37	0.54	0.70	0.72	15.24
1-3030-621- 3207		7.00	0.10	2.1	1.15	1.20	1.25	1.30	1.35	1.45	0.17	0.23	0.33	0.40	0.59	0.76	0.84	17.78
1-3030-621- 3208		8.00	0.10	2.2	1.15	1.20	1.25	1.30	1.35	1.45	0.18	0.24	0.35	0.43	0.63	0.82	0.96	20.32
1-3030-621- 3209		9.00	0.10	2.2	1.15	1.20	1.25	1.30	1.35	1.45	0.19	0.26	0.37	0.46	0.68	0.88	1.08	22.86
1-3030-621- 3210		10.00	0.10	2.2	1.15	1.20	1.25	1.30	1.35	1.45	0.20	0.27	0.40	0.49	0.73	0.94	1.20	25.40
1-3030-621- 3211		11.00	0.10	2.3	1.15	1.20	1.25	1.30	1.35	1.45	0.21	0.29	0.42	0.52	0.77	1.00	1.32	27.94
1-3030-621- 3212		12.00	0.10	2.3	1.15	1.20	1.25	1.30	1.35	1.45	0.22	0.31	0.45	0.55	0.82	1.06	1.44	30.48
1-3030-621- 3213		13.00	0.15	2.3	1.15	1.20	1.25	1.30	1.35	1.45	0.23	0.32	0.47	0.58	0.87	1.13	1.56	33.02
1-3030-621- 3214		14.00	0.15	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.24	0.34	0.49	0.61	0.91	1.19	1.68	35.56
1-3030-621- 3215		15.00	0.15	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.25	0.35	0.52	0.64	0.96	1.25	1.80	38.10
1-3030-621- 3216		16.00	0.15	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.26	0.37	0.54	0.67	1.01	1.31	1.92	40.64
1-3030-621- 3217		17.00	0.15	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.27	0.39	0.57	0.70	1.05	1.37	2.04	43.18
1-3030-621- 3218		18.00	0.15	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.29	0.40	0.59	0.73	1.10	1.43	2.16	45.72
1-3030-621- 3219		19.00	0.15	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.30	0.42	0.61	0.76	1.15	1.49	2.28	48.26
1-3030-621- 3220		20.00	0.15	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.31	0.43	0.64	0.79	1.19	1.55	2.40	50.80
1-3030-621- 3221		21.00	0.15	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.32	0.45	0.66	0.82	1.24	1.61	2.52	53.34
1-3030-621- 3222		22.00	0.15	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.33	0.47	0.68	0.86	1.29	1.67	2.64	55.88
1-3030-621- 3223		23.00	0.15	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.34	0.48	0.71	0.89	1.33	1.73	2.76	58.42
1-3030-621- 3224		24.00	0.15	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.35	0.50	0.73	0.92	1.38	1.79	2.88	60.96
1-3030-621- 3225		25.00	0.15	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.36	0.51	0.76	0.95	1.43	1.85	3.00	63.50
1-3030-621- 3226		26.00	0.15	2.8	1.15	1.20	1.25	1.30	1.35	1.45	0.37	0.53	0.78	0.98	1.47	1.92	3.12	66.04
1-3030-621- 3227		27.00	0.15	2.8	1.15	1.20	1.25	1.30	1.35	1.45	0.38	0.55	0.80	1.01	1.52	1.98	3.24	68.58
1-3030-621- 3228		28.00	0.15	2.8	1.15	1.20	1.25	1.30	1.35	1.45	0.39	0.56	0.83	1.04	1.57	2.04	3.36	71.12
1-3030-621- 3229		29.00	0.15	2.9	1.15	1.20	1.25	1.30	1.35	1.45	0.40	0.58	0.85	1.07	1.61	2.10	3.48	73.66
1-3030-621- 3230		30.00	0.15	2.9	1.15	1.20	1.25	1.30	1.35	1.45	0.42	0.59	0.88	1.10	1.66	2.16	3.60	76.20
1-3030-621- 3231		31.00	0.15	2.9	1.15	1.20	1.25	1.30	1.35	1.45	0.43	0.61	0.90	1.13	1.71	2.22	3.71	78.74
1-3030-621- 3232		32.00	0.15	3.0	1.15	1.20	1.25	1.30	1.35	1.45	0.44	0.63	0.92	1.16	1.75	2.28	3.83	81.28
1-3030-621- 3233		33.00	0.15	3.0	1.15	1.20	1.25	1.30	1.35	1.45	0.45	0.64	0.95	1.19	1.80	2.34	3.95	83.82
1-3030-621- 3234		34.00	0.15	3.0	1.15	1.20	1.25	1.30	1.35	1.45	0.46	0.66	0.97	1.22	1.85	2.40	4.07	86.36
1-3030-621- 3235		35.00	0.15	3.1	1.15	1.20	1.25	1.30	1.35	1.45	0.47	0.67	0.99	1.25	1.89	2.46	4.19	88.90
1-3030-621- 3236		36.00	0.15	3.1	1.15	1.20	1.25	1.30	1.35	1.45	0.48	0.69	1.02	1.28	1.94	2.52	4.31	91.44
1-3030-621- 3237		37.00	0.20	3.1	1.15	1.20	1.25	1.30	1.35	1.45	0.49	0.71	1.04	1.31	1.99	2.58	4.43	93.98
1-3030-621- 3238		38.00	0.20	3.2	1.15	1.20	1.25	1.30	1.35	1.45	0.50	0.72	1.07	1.34	2.03	2.65	4.55	96.52
1-3030-621- 3239		39.00	0.20	3.2	1.15	1.20	1.25	1.30	1.35	1.45	0.51	0.74	1.09	1.37	2.08	2.71	4.67	99.06
1-3030-621- 3240		40.00	0.20	3.3	1.15	1.20	1.25	1.30	1.35	1.45	0.52	0.75	1.11	1.40	2.13	2.77	4.79	101.60
1-3030-621- 3241		41.00	0.20	3.3	1.15	1.20	1.25	1.30	1.35	1.45	0.53	0.77	1.14	1.43	2.17	2.83	4.91	104.14
1-3030-621- 3242		42.00	0.20	3.3	1.15	1.20	1.25	1.30	1.35	1.45	0.55	0.79	1.16	1.46	2.22	2.89	5.03	106.68
1-3030-621- 3243		43.00	0.20	3.4	1.15	1.20	1.25	1.30	1.35	1.45	0.56	0.80	1.18	1.49	2.27	2.95	5.15	109.22
1-3030-621- 3244		44.00	0.20	3.4	1.15	1.20	1.25	1.30	1.35	1.45	0.57	0.82	1.21	1.52	2.31	3.01	5.27	111.76
1-3030-621- 3245		45.00	0.20	3.4	1.15	1.20	1.25	1.30	1.35	1.45	0.58	0.83	1.23	1.55	2.36	3.07	5.39	114.30
1-3030-621- 3246		46.00	0.20	3.5	1.15	1.20	1.25	1.30	1.35	1.45	0.59	0.85	1.26	1.58	2.41	3.13	5.51	116.84
1-3030-621- 3247		47.00	0.20	3.5	1.15	1.20	1.25	1.30	1.35	1.45	0.60	0.87	1.28	1.61	2.45	3.19	5.63	119.38
1-3030-621- 3248		48.00	0.20	3.5	1.15	1.20	1.25	1.30	1.35	1.45	0.61	0.88	1.30	1.65	2.50	3.25	5.75	121.92

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

VISIT OUR WEB SITE AT http://www.tensolite.com

SEMI-FLEX® II SERIES

Assembly Cable Code	OD
617	.086"
618	.141"

DESCRIPTION

Available in **.086" and .141"** diameter, **SEMI-FLEX®II** is a thin walled, soft aluminum jacketed semi-rigid cable. The more pliable outer conductor allows easier forming than copper jacketed cable while retaining much of the same electrical performance.

SEMI-FLEX®II can be hand shaped for ease of installation and time savings, making this cable an ideal choice for one-time interconnect applications. These assemblies are supplied in the STRAIGHT configuration and are available with both crimp SMA plugs for low cost and direct solder-on SMA plugs for higher reliability and shielding.

Now **SEMI-FLEX®II** along with original, high performance **SEMI-FLEX®** rounds out the designer's options for alternatives to traditional semi-rigid cable assemblies.

APPLICATIONS

- One-time OEM installations
- "Last minute" forming applications
- Low cost products
- Short lead time environments

FEATURES

- Tin plated aluminum outer conductor
- Similar performance to copper jacketed semi-rigid cable
- 50% lower weight than standard semi-rigid
- Won't work harden as quickly as copper
- Low cost, quick delivery
- Available with crimp SMA plugs or Tensolite's popular anti-torque SMA plugs

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

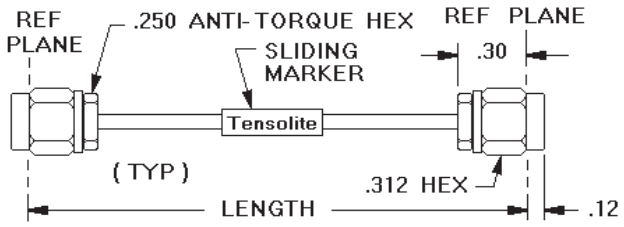
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	86	60	41	33	22	18

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.090	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE TO SMA MALE ON 617 SEMI-FLEX® II CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	ASTM-B-211, ALUMINUM	TIN PLATED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
CONNECTOR BODIES:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
CONNECTOR NUTS:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-617- 5202	D	2.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.09	0.12	0.17	0.20	0.29	0.38	0.24	5.1
1-3636-617- 5203	D	3.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.15	0.21	0.25	0.36	0.46	0.36	7.6
1-3636-617- 5204	D	4.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.17	0.25	0.30	0.42	0.55	0.48	10.2
1-3636-617- 5205	D	5.0	0.10	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.20	0.28	0.34	0.49	0.64	0.60	12.7
1-3636-617- 5206	D	6.0	0.10	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.22	0.32	0.39	0.56	0.72	0.72	15.2
1-3636-617- 5207		7.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.36	0.43	0.63	0.81	0.84	17.8
1-3636-617- 5208	D	8.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.27	0.39	0.48	0.69	0.89	0.96	20.3
1-3636-617- 5209		9.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.30	0.43	0.52	0.76	0.98	1.08	22.9
1-3636-617- 5210		10.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.32	0.47	0.57	0.83	1.06	1.20	25.4
1-3636-617- 5211		11.0	0.15	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.35	0.50	0.62	0.90	1.15	1.32	27.9
1-3636-617- 5212	D	12.0	0.15	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.37	0.54	0.66	0.96	1.24	1.44	30.5
1-3636-617- 5213		13.0	0.15	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.40	0.57	0.71	1.03	1.32	1.56	33.0
1-3636-617- 5214		14.0	0.15	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.61	0.75	1.10	1.41	1.68	35.6
1-3636-617- 5215		15.0	0.15	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.45	0.65	0.80	1.17	1.49	1.80	38.1
1-3636-617- 5216		16.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.47	0.68	0.84	1.23	1.58	1.92	40.6
1-3636-617- 5217		17.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.50	0.72	0.89	1.30	1.66	2.04	43.2
1-3636-617- 5218	D	18.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.52	0.76	0.94	1.37	1.75	2.16	45.7
1-3636-617- 5219		19.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.55	0.79	0.98	1.44	1.83	2.28	48.3
1-3636-617- 5220		20.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.57	0.83	1.03	1.50	1.92	2.40	50.8
1-3636-617- 5221		21.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.60	0.87	1.07	1.57	2.01	2.52	53.3
1-3636-617- 5222		22.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.44	0.62	0.90	1.12	1.64	2.09	2.64	55.9
1-3636-617- 5223		23.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.46	0.65	0.94	1.16	1.71	2.18	2.76	58.4
1-3636-617- 5224	D	24.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.48	0.67	0.98	1.21	1.77	2.26	2.88	61.0
1-3636-617- 5225		25.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.50	0.70	1.01	1.25	1.84	2.35	3.00	63.5
1-3636-617- 5226		26.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.51	0.73	1.05	1.30	1.91	2.43	3.12	66.0
1-3636-617- 5227		27.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.53	0.75	1.09	1.35	1.98	2.52	3.24	68.6
1-3636-617- 5228		28.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.55	0.78	1.12	1.39	2.04	2.61	3.36	71.1
1-3636-617- 5229		29.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.56	0.80	1.16	1.44	2.11	2.69	3.48	73.7
1-3636-617- 5230		30.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.58	0.83	1.20	1.48	2.18	2.78	3.60	76.2
1-3636-617- 5231		31.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.60	0.85	1.23	1.53	2.25	2.86	3.71	78.7
1-3636-617- 5232		32.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.62	0.88	1.27	1.57	2.32	2.95	3.83	81.3
1-3636-617- 5233		33.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.63	0.90	1.30	1.62	2.38	3.03	3.95	83.8
1-3636-617- 5234		34.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.65	0.93	1.34	1.67	2.45	3.12	4.07	86.4
1-3636-617- 5235		35.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.67	0.95	1.38	1.71	2.52	3.21	4.19	88.9
1-3636-617- 5236		36.0	0.20	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.69	0.98	1.41	1.76	2.59	3.29	4.31	91.4
1-3636-617- 5237		37.0	0.20	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.70	1.00	1.45	1.80	2.65	3.38	4.43	94.0
1-3636-617- 5238		38.0	0.20	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.72	1.03	1.49	1.85	2.72	3.46	4.55	96.5
1-3636-617- 5239		39.0	0.20	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.74	1.05	1.52	1.89	2.79	3.55	4.67	99.1
1-3636-617- 5240		40.0	0.20	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.08	1.56	1.94	2.86	3.63	4.79	101.6
1-3636-617- 5241		41.0	0.20	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.77	1.10	1.60	1.98	2.92	3.72	4.91	104.1
1-3636-617- 5242		42.0	0.20	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.79	1.13	1.63	2.03	2.99	3.80	5.03	106.7
1-3636-617- 5243		43.0	0.20	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.81	1.15	1.67	2.08	3.06	3.89	5.15	109.2
1-3636-617- 5244		44.0	0.20	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.83	1.18	1.71	2.12	3.13	3.98	5.27	111.8
1-3636-617- 5245		45.0	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.20	1.74	2.17	3.19	4.06	5.39	114.3
1-3636-617- 5246		46.0	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.86	1.23	1.78	2.21	3.26	4.15	5.51	116.8
1-3636-617- 5247		47.0	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.88	1.25	1.82	2.26	3.33	4.23	5.63	119.4
1-3636-617- 5248		48.0	0.25	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.90	1.28	1.85	2.30	3.40	4.32	5.75	121.9

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

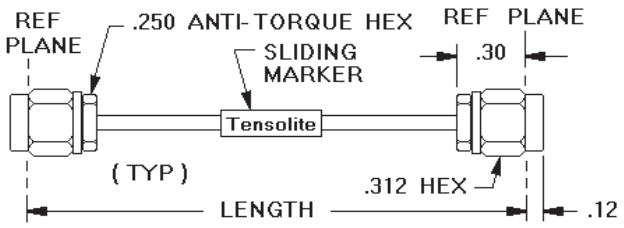
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.40	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	212	145	98	77	51	40

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.25	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

SMA MALE TO SMA MALE ON 618 SEMI-FLEX® II CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	ASTM-B-211, ALUMINUM	TIN PLATED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
CONNECTOR BODIES:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
CONNECTOR NUTS:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-618- 5202	D	2.0	0.05	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.08	0.10	0.14	0.17	0.24	0.32	0.24	5.1
1-3636-618- 5203	D	3.0	0.05	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.09	0.12	0.17	0.20	0.28	0.37	0.36	7.6
1-3636-618- 5204	D	4.0	0.05	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.13	0.19	0.23	0.32	0.43	0.48	10.2
1-3636-618- 5205	D	5.0	0.10	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.15	0.21	0.25	0.37	0.48	0.60	12.7
1-3636-618- 5206	D	6.0	0.10	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.12	0.16	0.23	0.28	0.41	0.54	0.72	15.2
1-3636-618- 5207		7.0	0.10	1.8	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.18	0.25	0.31	0.45	0.59	0.84	17.8
1-3636-618- 5208	D	8.0	0.10	2.0	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.19	0.28	0.34	0.49	0.65	0.96	20.3
1-3636-618- 5209		9.0	0.10	2.2	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.21	0.30	0.37	0.54	0.70	1.08	22.9
1-3636-618- 5210		10.0	0.10	2.5	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.22	0.32	0.39	0.58	0.76	1.20	25.4
1-3636-618- 5211		11.0	0.15	2.7	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.24	0.34	0.42	0.62	0.81	1.32	27.9
1-3636-618- 5212	D	12.0	0.15	2.9	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.37	0.45	0.66	0.87	1.44	30.5
1-3636-618- 5213		13.0	0.15	3.1	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.27	0.39	0.48	0.71	0.92	1.56	33.0
1-3636-618- 5214		14.0	0.15	3.4	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.41	0.51	0.75	0.98	1.68	35.6
1-3636-618- 5215		15.0	0.15	3.6	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.30	0.43	0.53	0.79	1.03	1.80	38.1
1-3636-618- 5216		16.0	0.15	3.8	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.31	0.45	0.56	0.83	1.09	1.92	40.6
1-3636-618- 5217		17.0	0.15	4.1	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.33	0.48	0.59	0.88	1.14	2.04	43.2
1-3636-618- 5218	D	18.0	0.15	4.3	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.34	0.50	0.62	0.92	1.20	2.16	45.7
1-3636-618- 5219		19.0	0.15	4.5	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.36	0.52	0.65	0.96	1.25	2.28	48.3
1-3636-618- 5220		20.0	0.15	4.7	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.37	0.54	0.67	1.00	1.31	2.40	50.8
1-3636-618- 5221		21.0	0.15	5.0	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.56	0.70	1.05	1.36	2.52	53.3
1-3636-618- 5222		22.0	0.15	5.2	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.40	0.59	0.73	1.09	1.42	2.64	55.9
1-3636-618- 5223		23.0	0.15	5.4	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.61	0.76	1.13	1.47	2.76	58.4
1-3636-618- 5224	D	24.0	0.15	5.7	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.43	0.63	0.79	1.17	1.53	2.88	61.0
1-3636-618- 5225		25.0	0.15	5.9	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.45	0.65	0.81	1.22	1.58	3.00	63.5
1-3636-618- 5226		26.0	0.15	6.1	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.46	0.68	0.84	1.26	1.63	3.12	66.0
1-3636-618- 5227		27.0	0.15	6.3	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.48	0.70	0.87	1.30	1.69	3.24	68.6
1-3636-618- 5228		28.0	0.15	6.6	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.49	0.72	0.90	1.34	1.74	3.36	71.1
1-3636-618- 5229		29.0	0.15	6.8	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.51	0.74	0.93	1.39	1.80	3.48	73.7
1-3636-618- 5230		30.0	0.15	7.0	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.52	0.76	0.95	1.43	1.85	3.60	76.2
1-3636-618- 5231		31.0	0.15	7.2	1.06	1.10	1.14	1.17	1.20	1.30	0.38	0.54	0.79	0.98	1.47	1.91	3.71	78.7
1-3636-618- 5232		32.0	0.15	7.5	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.55	0.81	1.01	1.51	1.96	3.83	81.3
1-3636-618- 5233		33.0	0.15	7.7	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.83	1.04	1.56	2.02	3.95	83.8
1-3636-618- 5234		34.0	0.15	7.9	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.85	1.07	1.60	2.07	4.07	86.4
1-3636-618- 5235		35.0	0.15	8.2	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.87	1.09	1.64	2.13	4.19	88.9
1-3636-618- 5236		36.0	0.20	8.4	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.61	0.90	1.12	1.68	2.18	4.31	91.4
1-3636-618- 5237		37.0	0.20	8.6	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.63	0.92	1.15	1.73	2.24	4.43	94.0
1-3636-618- 5238		38.0	0.20	8.8	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.64	0.94	1.18	1.77	2.29	4.55	96.5
1-3636-618- 5239		39.0	0.20	9.1	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.66	0.96	1.21	1.81	2.35	4.67	99.1
1-3636-618- 5240		40.0	0.20	9.3	1.10	1.15	1.20	1.25	1.30	1.35	0.47	0.67	0.99	1.23	1.85	2.40	4.79	101.6
1-3636-618- 5241		41.0	0.20	9.5	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.69	1.01	1.26	1.90	2.46	4.91	104.1
1-3636-618- 5242		42.0	0.20	9.8	1.10	1.15	1.20	1.25	1.30	1.35	0.49	0.70	1.03	1.29	1.94	2.51	5.03	106.7
1-3636-618- 5243		43.0	0.20	10.0	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.72	1.05	1.32	1.98	2.57	5.15	109.2
1-3636-618- 5244		44.0	0.20	10.2	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.73	1.07	1.35	2.03	2.62	5.27	111.8
1-3636-618- 5245		45.0	0.20	10.4	1.10	1.15	1.20	1.25	1.30	1.35	0.52	0.75	1.10	1.37	2.07	2.68	5.39	114.3
1-3636-618- 5246		46.0	0.20	10.7	1.10	1.15	1.20	1.25	1.30	1.35	0.53	0.76	1.12	1.40	2.11	2.73	5.51	116.8
1-3636-618- 5247		47.0	0.20	10.9	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.78	1.14	1.43	2.15	2.79	5.63	119.4
1-3636-618- 5248		48.0	0.25	11.1	1.10	1.15	1.20	1.25	1.30	1.35	0.55	0.79	1.16	1.46	2.20	2.84	5.75	121.9

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

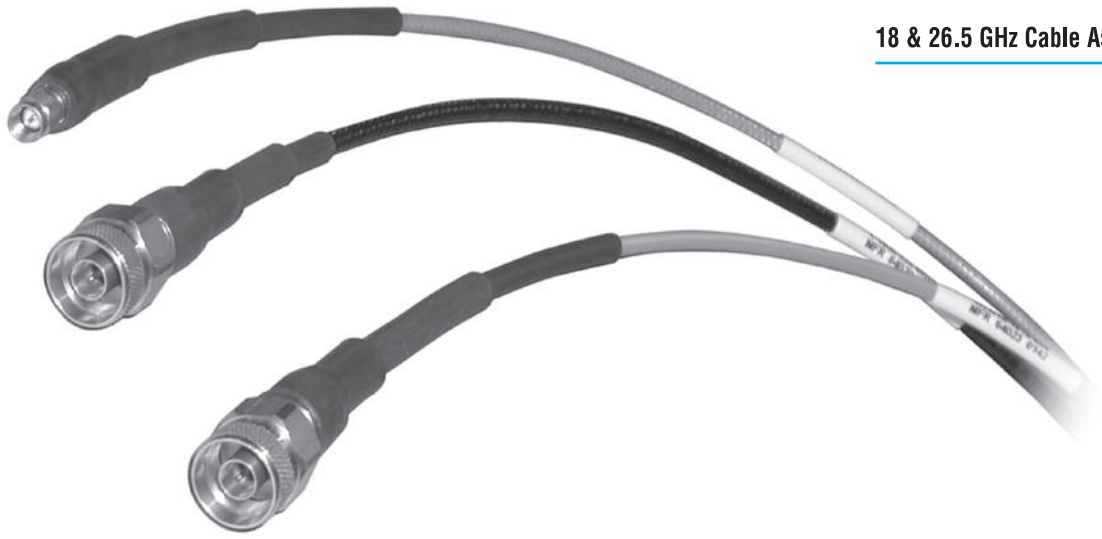
NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

Workhorse®, Workhorse Plus® & Low Loss Workhorse®

18 & 26.5 GHz Cable Assemblies



DESCRIPTION

The **WORKHORSE®** Family is the result of Tensolite's years of assembly experience coupled with the demand for lower cost products. The **WORKHORSE®** assembly uses the time proven"504" cable, the **WORKHORSE® PLUS** utilizes the "524" cable that provides better flexibility and the **LOW LOSS WORKHORSE®** uses Tensolite's 301 Low Loss cable. All **WORKHORSE®** assemblies utilize our most rugged stainless steel connectors and a new extremely durable yet cost effective attachment method. The **WORKHORSE®** assemblies are extremely durable plus their low price makes the **WORKHORSE®** perfectly suited to today's lower budget.

APPLICATIONS

The **WORKHORSE®** Family is specifically designed for temperature testing, very high volume production lines and strenuous flexing/mating situations that would quickly destroy typical connectors and attachment methods.

- -55°C to +105°C temperature testing
- Very high volume production testing
- Strenuous flexing/mating situations
- Replaces expensive lab test cables

FEATURES

- **NEW, extremely durable** and long lasting connector attachment method
- Uses time-proven materials
- Excellent high frequency response
- Phase stable with flexure
- **DRAMATICALLY** cuts the cost of production test cables
- Standard lengths in stock
- Low Loss Workhorse
  - Low insertion loss
  - Microporous PTFE dielectric
  - Phase stable with flexure

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

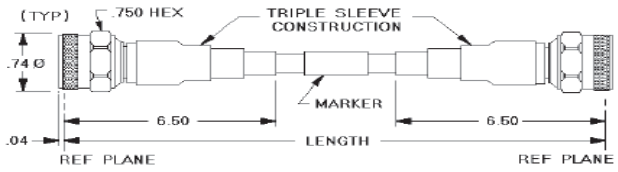
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS -------->	560	360	240	200	130	110
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.03	0.05
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MINIMUM BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
TYPE N CONNECTOR INTERFACE:	MIL-STD-348	SOLID OUTER

TYPE N MALE TO TYPE N MALE ON WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE N BODY:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
TYPE N NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED
THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17.		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
WHU18-1818-0 18		18.0	0.25	4.9	1.07	1.12	1.15	1.18	1.22	1.30	0.26	0.37	0.54	0.68	1.01	1.32	45.7
WHU18-1818-0 20		20.0	0.25	5.0	1.07	1.12	1.15	1.18	1.22	1.30	0.28	0.40	0.59	0.73	1.10	1.43	50.8
WHU18-1818-0 24	D	24.0	0.25	5.3	1.07	1.12	1.15	1.18	1.22	1.30	0.32	0.46	0.68	0.85	1.28	1.66	61.0
WHU18-1818-0 25		25.0	0.25	5.3	1.07	1.12	1.15	1.18	1.22	1.30	0.33	0.48	0.70	0.88	1.32	1.72	63.5
WHU18-1818-0 26		26.0	0.26	5.4	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.49	0.72	0.90	1.36	1.78	66.0
WHU18-1818-0 27		27.0	0.27	5.4	1.07	1.12	1.15	1.18	1.22	1.30	0.35	0.51	0.74	0.93	1.41	1.83	68.6
WHU18-1818-0 28		28.0	0.28	5.5	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.52	0.77	0.96	1.45	1.89	71.1
WHU18-1818-0 29		29.0	0.29	5.5	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.54	0.79	0.99	1.49	1.95	73.7
WHU18-1818-0 30	D	30.0	0.30	5.6	1.07	1.12	1.15	1.18	1.22	1.30	0.39	0.55	0.81	1.02	1.54	2.00	76.2
WHU18-1818-0 31		31.0	0.31	5.7	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.57	0.83	1.05	1.58	2.06	78.7
WHU18-1818-0 32		32.0	0.32	5.7	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.58	0.86	1.07	1.63	2.12	81.3
WHU18-1818-0 33		33.0	0.33	5.8	1.07	1.12	1.15	1.18	1.22	1.30	0.42	0.60	0.88	1.10	1.67	2.17	83.8
WHU18-1818-0 34		34.0	0.34	5.8	1.07	1.12	1.15	1.18	1.22	1.30	0.43	0.61	0.90	1.13	1.71	2.23	86.4
WHU18-1818-0 35		35.0	0.35	5.9	1.07	1.12	1.15	1.18	1.22	1.30	0.44	0.63	0.92	1.16	1.76	2.29	88.9
WHU18-1818-0 36	D	36.0	0.36	5.9	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.64	0.95	1.19	1.80	2.35	91.4
WHU18-1818-0 39		39.0	0.39	6.1	1.07	1.12	1.15	1.18	1.22	1.30	0.48	0.68	1.01	1.27	1.93	2.52	99.1
WHU18-1818-0 40	D	40.0	0.40	6.2	1.07	1.12	1.15	1.18	1.22	1.30	0.49	0.70	1.03	1.30	1.98	2.57	101.6
WHU18-1818-0 41		41.0	0.41	6.2	1.07	1.12	1.15	1.18	1.22	1.30	0.50	0.71	1.06	1.33	2.02	2.63	104.1
WHU18-1818-0 42		42.0	0.42	6.3	1.07	1.12	1.15	1.18	1.22	1.30	0.51	0.73	1.08	1.36	2.07	2.69	106.7
WHU18-1818-0 45		45.0	0.45	6.5	1.07	1.12	1.15	1.18	1.22	1.30	0.54	0.77	1.15	1.45	2.20	2.86	114.3
WHU18-1818-0 46		46.0	0.46	6.5	1.07	1.12	1.15	1.18	1.22	1.30	0.55	0.79	1.17	1.47	2.24	2.92	116.8
WHU18-1818-0 47		47.0	0.47	6.6	1.07	1.12	1.15	1.18	1.22	1.30	0.56	0.80	1.19	1.50	2.28	2.97	119.4
WHU18-1818-0 48	D	48.0	0.48	6.6	1.07	1.12	1.15	1.18	1.22	1.30	0.57	0.82	1.21	1.53	2.33	3.03	121.9
WHU18-1818-0 50		50.0	0.50	6.7	1.07	1.12	1.15	1.18	1.22	1.30	0.59	0.85	1.26	1.59	2.42	3.14	127.0
WHU18-1818-0 51		51.0	0.51	6.8	1.07	1.12	1.15	1.18	1.22	1.30	0.60	0.86	1.28	1.62	2.46	3.20	129.5
WHU18-1818-0 54		54.0	0.54	7.0	1.07	1.12	1.15	1.18	1.22	1.30	0.63	0.91	1.35	1.70	2.59	3.37	137.2
WHU18-1818-0 59		59.0	0.59	7.3	1.07	1.12	1.15	1.18	1.22	1.30	0.68	0.98	1.46	1.84	2.81	3.66	149.9
WHU18-1818-0 60	D	60.0	0.60	7.3	1.07	1.12	1.15	1.18	1.22	1.30	0.69	1.00	1.48	1.87	2.85	3.71	152.4
WHU18-1818-0 63		63.0	0.63	7.5	1.07	1.12	1.15	1.18	1.22	1.30	0.72	1.04	1.55	1.96	2.99	3.89	160.0
WHU18-1818-0 72	D	72.0	0.72	8.0	1.07	1.12	1.15	1.18	1.22	1.30	0.81	1.18	1.75	2.21	3.38	4.40	182.9
WHU18-1818-0 79		79.0	0.79	8.4	1.07	1.12	1.15	1.18	1.22	1.30	0.88	1.28	1.91	2.41	3.69	4.80	200.7
WHU18-1818-0 80		80.0	0.80	8.5	1.07	1.12	1.15	1.18	1.22	1.30	0.89	1.30	1.93	2.44	3.73	4.86	203.2
WHU18-1818-0 82		82.0	0.82	8.6	1.07	1.12	1.15	1.18	1.22	1.30	0.91	1.33	1.97	2.50	3.82	4.97	208.3
WHU18-1818-0 84	D	84.0	0.84	8.7	1.07	1.12	1.15	1.18	1.22	1.30	0.93	1.36	2.02	2.56	3.91	5.08	213.4
WHU18-1818-0 96		96.0	0.96	9.4	1.07	1.12	1.15	1.18	1.22	1.30	1.06	1.54	2.29	2.90	4.43	5.77	243.8
WHU18-1818- 108		108.0	1.08	10.1	1.07	1.12	1.15	1.18	1.22	1.30	1.18	1.72	2.56	3.24	4.96	6.45	274.3
WHU18-1818- 120	D	120.0	1.20	10.8	1.07	1.12	1.15	1.18	1.22	1.30	1.30	1.90	2.82	3.58	5.49	7.14	304.8
WHU18-1818- 144	D	144.0	1.44	12.1	1.07	1.12	1.15	1.18	1.22	1.30	1.55	2.26	3.36	4.27	6.54	8.51	365.8
WHU18-1818- 156	D	156.0	1.56	12.8	1.07	1.12	1.15	1.18	1.22	1.30	1.67	2.44	3.63	4.61	7.06	9.19	396.2
WHU18-1818- 168	D	168.0	1.68	13.5	1.07	1.12	1.15	1.18	1.22	1.30	1.79	2.62	3.90	4.95	7.59	9.87	426.7
WHU18-1818- 180		180.0	1.80	14.2	1.10	1.15	1.20	1.25	1.30	1.35	1.91	2.80	4.17	5.29	8.12	10.56	457.2
WHU18-1818- 192		192.0	1.92	14.9	1.10	1.15	1.20	1.25	1.30	1.35	2.03	2.98	4.43	5.64	8.64	11.24	487.7
WHU18-1818- 216		216.0	2.16	16.3	1.10	1.15	1.20	1.25	1.30	1.35	2.28	3.34	4.97	6.32	9.70	12.61	548.6
WHU18-1818- 240		240.0	2.40	17.6	1.10	1.15	1.20	1.25	1.30	1.35	2.52	3.70	5.51	7.00	10.75	13.98	609.6
WHU18-1818- 300		300.0	3.00	21.1	1.10	1.15	1.20	1.25	1.30	1.35	3.13	4.59	6.85	8.71	13.38	17.40	762.0
WHU18-1818- 360		360.0	3.60	24.5	1.10	1.15	1.20	1.25	1.30	1.35	3.74	5.49	8.19	10.42	16.01	20.83	914.4
WHU18-1818- 420		420.0	4.20	28.0	1.10	1.15	1.20	1.25	1.30	1.35	4.35	6.39	9.53	12.13	18.64	24.25	1066.8
WHU18-1818- 480		480.0	4.80	31.4	1.10	1.15	1.20	1.25	1.30	1.35	4.96	7.29	10.88	13.84	21.27	27.67	1219.2
WHU18-1818- 590		590.0	5.90	37.7	1.10	1.15	1.20	1.25	1.30	1.35	6.08	8.94	13.34	16.98	26.10	33.95	1498.6
WHU18-1818- 600		600.0	6.00	38.3	1.10	1.15	1.20	1.25	1.30	1.35	6.19	9.09	13.56	17.26	26.54	34.52	1524.0
WHU18-1818- 985		985.0	9.85	60.3	1.10	1.15	1.20	1.25	1.30	1.35	10.10	14.86	22.17	28.24	43.42	56.48	2501.9
WHU18-1818- 1200		1200.0	12.00	72.7	1.10	1.15	1.20	1.25	1.30	1.35	12.29	18.08	26.98	34.37	52.85	68.74	3048.0
WHU18-1818- 2400		2400.0	24.00	141.5	1.10	1.15	1.20	1.25	1.30	1.35	24.50	36.05	53.82	68.57	105.47	137.19	6096.0

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

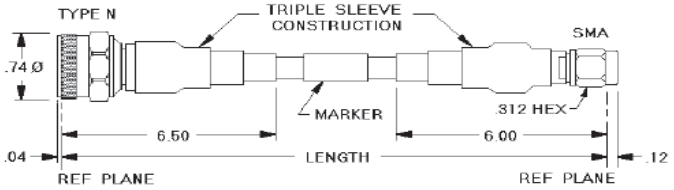
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --------->	360	245	164	129	84	64
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.03	0.05
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACES:	MIL-STD-348	HYBRID SMA
N CONNECTOR INTERFACES:	MIL-STD-348	SOLID OUTER

TYPE N TO SMA MALE ON WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
THE TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17.		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
WHU18-1836-0 24		24.0	0.25	4.8	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.48	0.70	0.87	1.31	1.68	61.0
WHU18-1836-0 25		25.0	0.25	4.8	1.07	1.12	1.15	1.18	1.22	1.30	0.35	0.50	0.72	0.90	1.35	1.74	63.5
WHU18-1836-0 26		26.0	0.26	4.9	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.51	0.74	0.92	1.39	1.80	66.0
WHU18-1836-0 27		27.0	0.27	4.9	1.07	1.12	1.15	1.18	1.22	1.30	0.37	0.53	0.76	0.95	1.44	1.85	68.6
WHU18-1836-0 28		28.0	0.28	5.0	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.54	0.79	0.98	1.48	1.91	71.1
WHU18-1836-0 29		29.0	0.29	5.0	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.56	0.81	1.01	1.52	1.97	73.7
WHU18-1836-0 30		30.0	0.30	5.1	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.57	0.83	1.04	1.57	2.02	76.2
WHU18-1836-0 31		31.0	0.31	5.2	1.07	1.12	1.15	1.18	1.22	1.30	0.42	0.59	0.85	1.07	1.61	2.08	78.7
WHU18-1836-0 32		32.0	0.32	5.2	1.07	1.12	1.15	1.18	1.22	1.30	0.43	0.60	0.88	1.09	1.66	2.14	81.3
WHU18-1836-0 33		33.0	0.33	5.3	1.07	1.12	1.15	1.18	1.22	1.30	0.44	0.62	0.90	1.12	1.70	2.19	83.8
WHU18-1836-0 34		34.0	0.34	5.3	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.63	0.92	1.15	1.74	2.25	86.4
WHU18-1836-0 35		35.0	0.35	5.4	1.07	1.12	1.15	1.18	1.22	1.30	0.46	0.65	0.94	1.18	1.79	2.31	88.9
WHU18-1836-0 36		36.0	0.36	5.4	1.07	1.12	1.15	1.18	1.22	1.30	0.47	0.66	0.97	1.21	1.83	2.37	91.4
WHU18-1836-0 37		37.0	0.37	5.5	1.07	1.12	1.15	1.18	1.22	1.30	0.48	0.67	0.99	1.24	1.88	2.42	94.0
WHU18-1836-0 38		38.0	0.38	5.6	1.07	1.12	1.15	1.18	1.22	1.30	0.49	0.69	1.01	1.27	1.92	2.48	96.5
WHU18-1836-0 39		39.4	0.39	5.6	1.07	1.12	1.15	1.18	1.22	1.30	0.50	0.71	1.04	1.30	1.98	2.56	100.0
WHU18-1836-0 40		40.0	0.40	5.7	1.07	1.12	1.15	1.18	1.22	1.30	0.51	0.72	1.05	1.32	2.01	2.59	101.6
WHU18-1836-0 41		41.0	0.41	5.7	1.07	1.12	1.15	1.18	1.22	1.30	0.52	0.73	1.08	1.35	2.05	2.65	104.1
WHU18-1836-0 42		42.0	0.42	5.8	1.07	1.12	1.15	1.18	1.22	1.30	0.53	0.75	1.10	1.38	2.10	2.71	106.7
WHU18-1836-0 43		43.0	0.43	5.8	1.07	1.12	1.15	1.18	1.22	1.30	0.54	0.76	1.12	1.41	2.14	2.76	109.2
WHU18-1836-0 44		44.0	0.44	5.9	1.07	1.12	1.15	1.18	1.22	1.30	0.55	0.78	1.14	1.44	2.18	2.82	111.8
WHU18-1836-0 45		45.0	0.45	6.0	1.07	1.12	1.15	1.18	1.22	1.30	0.56	0.79	1.17	1.47	2.23	2.88	114.3
WHU18-1836-0 46		46.0	0.46	6.0	1.07	1.12	1.15	1.18	1.22	1.30	0.57	0.81	1.19	1.49	2.27	2.94	116.8
WHU18-1836-0 47		47.0	0.47	6.1	1.07	1.12	1.15	1.18	1.22	1.30	0.58	0.82	1.21	1.52	2.31	2.99	119.4
WHU18-1836-0 48		48.0	0.48	6.1	1.07	1.12	1.15	1.18	1.22	1.30	0.59	0.84	1.23	1.55	2.36	3.05	121.9
WHU18-1836-0 51		51.0	0.51	6.3	1.07	1.12	1.15	1.18	1.22	1.30	0.62	0.88	1.30	1.64	2.49	3.22	129.5
WHU18-1836-0 54		54.0	0.54	6.5	1.07	1.12	1.15	1.18	1.22	1.30	0.65	0.93	1.37	1.72	2.62	3.39	137.2
WHU18-1836-0 57		57.0	0.57	6.6	1.07	1.12	1.15	1.18	1.22	1.30	0.68	0.97	1.43	1.81	2.75	3.56	144.8
WHU18-1836-0 60		60.0	0.60	6.8	1.07	1.12	1.15	1.18	1.22	1.30	0.71	1.02	1.50	1.89	2.88	3.73	152.4
WHU18-1836-0 63		63.0	0.63	7.0	1.07	1.12	1.15	1.18	1.22	1.30	0.74	1.06	1.57	1.98	3.02	3.91	160.0
WHU18-1836-0 66		66.0	0.66	7.2	1.07	1.12	1.15	1.18	1.22	1.30	0.77	1.11	1.64	2.06	3.15	4.08	167.6
WHU18-1836-0 69		69.0	0.69	7.3	1.07	1.12	1.15	1.18	1.22	1.30	0.80	1.15	1.70	2.15	3.28	4.25	175.3
WHU18-1836-0 72		72.0	0.72	7.5	1.07	1.12	1.15	1.18	1.22	1.30	0.83	1.20	1.77	2.23	3.41	4.42	182.9
WHU18-1836-0 79		78.7	0.79	7.9	1.07	1.12	1.15	1.18	1.22	1.30	0.90	1.30	1.92	2.43	3.71	4.80	200.0
WHU18-1836-0 80		80.0	0.80	8.0	1.07	1.12	1.15	1.18	1.22	1.30	0.91	1.32	1.95	2.46	3.76	4.88	203.2
WHU18-1836-0 82		82.0	0.82	8.1	1.07	1.12	1.15	1.18	1.22	1.30	0.93	1.35	1.99	2.52	3.85	4.99	208.3
WHU18-1836-0 84		84.0	0.84	8.2	1.07	1.12	1.15	1.18	1.22	1.30	0.95	1.38	2.04	2.58	3.94	5.10	213.4
WHU18-1836-0 90		90.0	0.90	8.5	1.07	1.12	1.15	1.18	1.22	1.30	1.02	1.47	2.17	2.75	4.20	5.45	228.6
WHU18-1836-0 96		96.0	0.96	8.9	1.07	1.12	1.15	1.18	1.22	1.30	1.08	1.56	2.31	2.92	4.46	5.79	243.8
WHU18-1836-0 99		99.0	0.99	9.1	1.07	1.12	1.15	1.18	1.22	1.30	1.11	1.60	2.37	3.00	4.59	5.96	251.5
WHU18-1836- 102		102.0	1.02	9.2	1.07	1.12	1.15	1.18	1.22	1.30	1.14	1.65	2.44	3.09	4.73	6.13	259.1
WHU18-1836- 105		105.0	1.05	9.4	1.07	1.12	1.15	1.18	1.22	1.30	1.17	1.69	2.51	3.18	4.86	6.30	266.7
WHU18-1836- 108		108.0	1.08	9.6	1.07	1.12	1.15	1.18	1.22	1.30	1.20	1.74	2.58	3.26	4.99	6.47	274.3
WHU18-1836- 118		118.1	1.18	10.1	1.07	1.12	1.15	1.18	1.22	1.30	1.30	1.89	2.80	3.55	5.43	7.05	300.0
WHU18-1836- 120		120.0	1.20	10.3	1.07	1.12	1.15	1.18	1.22	1.30	1.32	1.92	2.84	3.60	5.52	7.16	304.8
WHU18-1836- 126		126.0	1.26	10.6	1.07	1.12	1.15	1.18	1.22	1.30	1.38	2.01	2.98	3.77	5.78	7.50	320.0
WHU18-1836- 132		132.0	1.32	10.9	1.07	1.12	1.15	1.18	1.22	1.30	1.44	2.10	3.11	3.94	6.04	7.84	335.3
WHU18-1836- 138		138.0	1.38	11.3	1.07	1.12	1.15	1.18	1.22	1.30	1.50	2.19	3.25	4.12	6.31	8.18	350.5
WHU18-1836- 144		144.0	1.44	11.6	1.07	1.12	1.15	1.18	1.22	1.30	1.57	2.28	3.38	4.29	6.57	8.53	365.8
WHU18-1836- 156		157.5	1.57	12.4	1.10	1.15	1.20	1.25	1.30	1.35	1.70	2.48	3.68	4.67	7.16	9.29	400.0
WHU18-1836- 168		168.0	1.68	13.0	1.10	1.15	1.20	1.25	1.30	1.35	1.81	2.64	3.92	4.97	7.62	9.89	426.7
WHU18-1836- 180		180.0	1.80	13.7	1.10	1.15	1.20	1.25	1.30	1.35	1.93	2.82	4.19	5.31	8.15	10.58	457.2
WHU18-1836- 192		192.0	1.92	14.4	1.10	1.15	1.20	1.25	1.30	1.35	2.05	3.00	4.45	5.66	8.67	11.26	487.7
WHU18-1836- 197		197.0	1.97	14.7	1.10	1.15	1.20	1.25	1.30	1.35	2.10	3.07	4.57	5.80	8.89	11.55	500.4
WHU18-1836- 209		209.0	2.09	15.4	1.10	1.15	1.20	1.25	1.30	1.35	2.23	3.25	4.83	6.14	9.42	12.23	530.9
WHU18-1836- 240		240.0	2.40	17.1	1.10	1.15	1.20	1.25	1.30	1.35	2.54	3.72	5.53	7.02	10.78	14.00	609.6
WHU18-1836- 250		250.0	2.50	17.7	1.10	1.15	1.20	1.25	1.30	1.35	2.64	3.87	5.75	7.31	11.22	14.57	635.0
WHU18-1836- 275		275.0	2.75	19.1	1.10	1.15	1.20	1.25	1.30	1.35	2.90	4.24	6.31	8.02	12.31	16.00	698.5
WHU18-1836- 300		300.0	3.00	20.6	1.10	1.15	1.20	1.25	1.30	1.35	3.15	4.61	6.87	8.73	13.41	17.42	762.0
WHU18-1836- 480		480.0	4.80	30.9	1.10	1.15	1.20	1.25	1.30	1.35	4.98	7.31	10.90	13.86	21.30	27.69	1219.2
WHU18-1836- 720		720.0	7.20	44.7	1.10	1.15	1.20	1.25	1.30	1.35	7.43	10.91	16.26	20.71	31.83	41.38	1828.8

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

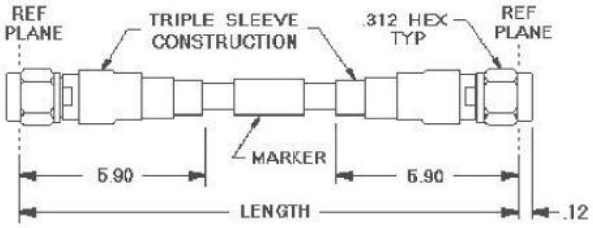
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				> -100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS -------->	560	360	240	200	130	110
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MINIMUM BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	75	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	HYBRID SMA

SMA MALES ON WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKETS:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	CM
WHU18-3636-018		18.0	0.25	3.3	1.07	1.12	1.15	1.18	1.22	1.30	0.26	0.36	0.52	0.65	0.97	1.25	45.7
WHU18-3636-020		20.0	0.25	3.4	1.07	1.12	1.15	1.18	1.22	1.30	0.28	0.39	0.57	0.70	1.06	1.37	50.8
WHU18-3636-022		22.0	0.25	3.5	1.07	1.12	1.15	1.18	1.22	1.30	0.30	0.42	0.61	0.76	1.15	1.48	55.9
WHU18-3636-024	D	24.0	0.25	3.7	1.07	1.12	1.15	1.18	1.22	1.30	0.32	0.45	0.66	0.82	1.24	1.60	61.0
WHU18-3636-025		25.0	0.25	3.7	1.07	1.12	1.15	1.18	1.22	1.30	0.33	0.47	0.68	0.85	1.28	1.65	63.5
WHU18-3636-026		26.0	0.26	3.8	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.48	0.70	0.87	1.32	1.71	66.0
WHU18-3636-027		27.0	0.27	3.8	1.07	1.12	1.15	1.18	1.22	1.30	0.35	0.50	0.72	0.90	1.37	1.77	68.6
WHU18-3636-028		28.0	0.28	3.9	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.51	0.75	0.93	1.41	1.82	71.1
WHU18-3636-029		29.0	0.29	3.9	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.53	0.77	0.96	1.46	1.88	73.7
WHU18-3636-030	D	30.0	0.30	4.0	1.07	1.12	1.15	1.18	1.22	1.30	0.39	0.54	0.79	0.99	1.50	1.94	76.2
WHU18-3636-031		31.0	0.31	4.1	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.56	0.81	1.02	1.54	2.00	78.7
WHU18-3636-032		32.0	0.32	4.1	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.57	0.84	1.05	1.59	2.05	81.3
WHU18-3636-033		33.0	0.33	4.2	1.07	1.12	1.15	1.18	1.22	1.30	0.42	0.59	0.86	1.07	1.63	2.11	83.8
WHU18-3636-034		34.0	0.34	4.2	1.07	1.12	1.15	1.18	1.22	1.30	0.43	0.60	0.88	1.10	1.67	2.17	86.4
WHU18-3636-035		35.0	0.35	4.3	1.07	1.12	1.15	1.18	1.22	1.30	0.44	0.62	0.90	1.13	1.72	2.22	88.9
WHU18-3636-036	D	36.0	0.36	4.3	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.63	0.93	1.16	1.76	2.28	91.4
WHU18-3636-039		39.0	0.39	4.5	1.07	1.12	1.15	1.18	1.22	1.30	0.48	0.68	0.99	1.25	1.89	2.45	99.1
WHU18-3636-040		40.0	0.40	4.6	1.07	1.12	1.15	1.18	1.22	1.30	0.49	0.69	1.01	1.27	1.94	2.51	102
WHU18-3636-042		42.0	0.42	4.7	1.07	1.12	1.15	1.18	1.22	1.30	0.51	0.72	1.06	1.33	2.03	2.62	107
WHU18-3636-045		45.0	0.45	4.9	1.07	1.12	1.15	1.18	1.22	1.30	0.54	0.77	1.13	1.42	2.16	2.79	114
WHU18-3636-048	D	48.0	0.48	5.0	1.07	1.12	1.15	1.18	1.22	1.30	0.57	0.81	1.19	1.50	2.29	2.97	122
WHU18-3636-049		51.0	0.51	5.2	1.07	1.12	1.15	1.18	1.22	1.30	0.60	0.86	1.26	1.59	2.42	3.14	130
WHU18-3636-050		50.0	0.50	5.1	1.07	1.12	1.15	1.18	1.22	1.30	0.59	0.84	1.24	1.56	2.38	3.08	127
WHU18-3636-051		51.0	0.51	5.2	1.07	1.12	1.15	1.18	1.22	1.30	0.60	0.86	1.26	1.59	2.42	3.14	130
WHU18-3636-053		53.0	0.53	5.3	1.07	1.12	1.15	1.18	1.22	1.30	0.62	0.89	1.31	1.64	2.51	3.25	135
WHU18-3636-054		54.0	0.54	5.4	1.07	1.12	1.15	1.18	1.22	1.30	0.63	0.90	1.33	1.67	2.55	3.31	137
WHU18-3636-059		59.0	0.59	5.7	1.07	1.12	1.15	1.18	1.22	1.30	0.68	0.98	1.44	1.82	2.77	3.59	150
WHU18-3636-060	D	60.0	0.60	5.7	1.07	1.12	1.15	1.18	1.22	1.30	0.69	0.99	1.46	1.84	2.82	3.65	152
WHU18-3636-063		63.0	0.63	5.9	1.07	1.12	1.15	1.18	1.22	1.30	0.72	1.04	1.53	1.93	2.95	3.82	160
WHU18-3636-072	D	72.0	0.72	6.4	1.07	1.12	1.15	1.18	1.22	1.30	0.81	1.17	1.73	2.19	3.34	4.33	183
WHU18-3636-076		76.0	0.76	6.6	1.07	1.12	1.15	1.18	1.22	1.30	0.85	1.23	1.82	2.30	3.52	4.56	193
WHU18-3636-079		79.0	0.79	6.8	1.07	1.12	1.15	1.18	1.22	1.30	0.88	1.28	1.89	2.39	3.65	4.73	201
WHU18-3636-080		80.0	0.80	6.9	1.07	1.12	1.15	1.18	1.22	1.30	0.89	1.29	1.91	2.41	3.69	4.79	203
WHU18-3636-082		82.0	0.82	7.0	1.07	1.12	1.15	1.18	1.22	1.30	0.91	1.32	1.95	2.47	3.78	4.90	208
WHU18-3636-084	D	84.0	0.84	7.1	1.07	1.12	1.15	1.18	1.22	1.30	0.93	1.35	2.00	2.53	3.87	5.02	213
WHU18-3636-096		96.0	0.96	7.8	1.07	1.12	1.15	1.18	1.22	1.30	1.06	1.53	2.27	2.87	4.39	5.70	244
WHU18-3636-108		108.0	1.08	8.5	1.07	1.12	1.15	1.18	1.22	1.30	1.18	1.71	2.54	3.21	4.92	6.39	274
WHU18-3636-120	D	120.0	1.20	9.2	1.07	1.12	1.15	1.18	1.22	1.30	1.30	1.89	2.80	3.55	5.45	7.07	305
WHU18-3636-132		132.0	1.32	9.8	1.07	1.12	1.15	1.18	1.22	1.30	1.42	2.07	3.07	3.90	5.97	7.76	335
WHU18-3636-144	D	144.0	1.44	10.5	1.07	1.12	1.15	1.18	1.22	1.30	1.55	2.25	3.34	4.24	6.50	8.44	366
WHU18-3636-180		180.0	1.80	12.6	1.07	1.12	1.15	1.18	1.22	1.30	1.91	2.79	4.15	5.26	8.08	10.49	457
WHU18-3636-197		197.0	1.97	13.6	1.07	1.12	1.15	1.18	1.22	1.30	2.08	3.04	4.53	5.75	8.82	11.46	500
WHU18-3636-204		204.0	2.04	14.0	1.07	1.12	1.15	1.18	1.22	1.30	2.16	3.15	4.68	5.95	9.13	11.86	518
WHU18-3636-208		208.0	2.08	14.2	1.07	1.12	1.15	1.18	1.22	1.30	2.20	3.21	4.77	6.06	9.31	12.09	528
WHU18-3636-225		225.0	2.25	15.2	1.07	1.12	1.15	1.18	1.22	1.30	2.37	3.46	5.15	6.55	10.05	13.06	572
WHU18-3636-240		240.0	2.40	16.0	1.07	1.12	1.15	1.18	1.22	1.30	2.52	3.69	5.49	6.97	10.71	13.92	610
WHU18-3636-260		260.0	2.60	17.2	1.07	1.12	1.15	1.18	1.22	1.30	2.73	3.99	5.94	7.54	11.59	15.06	660
WHU18-3636-288		288.0	2.88	18.8	1.07	1.12	1.15	1.18	1.22	1.30	3.01	4.41	6.56	8.34	12.81	16.66	732
WHU18-3636-300		300.0	3.00	19.5	1.07	1.12	1.15	1.18	1.22	1.30	3.13	4.59	6.83	8.68	13.34	17.34	762
WHU18-3636-360		360.0	3.60	22.9	1.07	1.12	1.15	1.18	1.22	1.30	3.74	5.49	8.17	10.39	15.97	20.76	914
WHU18-3636-432		432.0	4.32	27.0	1.07	1.12	1.15	1.18	1.22	1.30	4.48	6.56	9.78	12.45	19.13	24.87	1097
WHU18-3636-480		480.0	4.80	29.8	1.07	1.12	1.15	1.18	1.22	1.30	4.96	7.28	10.86	13.82	21.23	27.61	1219
WHU18-3636-600		600.0	6.00	36.7	1.07	1.12	1.15	1.18	1.22	1.30	6.19	9.08	13.54	17.24	26.50	34.45	1524
WHU18-3636-720		720.0	7.20	43.6	1.07	1.12	1.15	1.18	1.22	1.30	7.41	10.88	16.22	20.66	31.76	41.30	1829
WHU18-3636-840		840.0	8.40	50.4	1.07	1.12	1.15	1.18	1.22	1.30	8.63	12.68	18.91	24.08	37.02	48.14	2134
WHU18-3636-960		960.0	9.60	57.3	1.07	1.12	1.15	1.18	1.22	1.30	9.85	14.47	21.59	27.50	42.28	54.99	2438

D `OR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

WORKHORSE IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

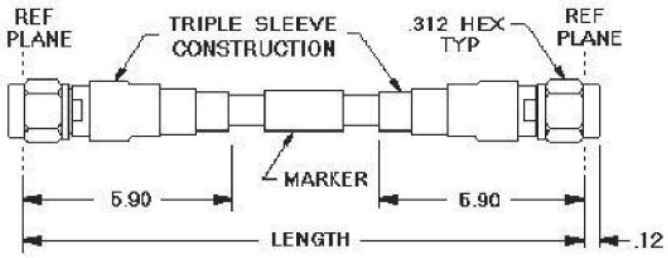
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	12	18	26.5
MAX. CW WATTS -------->	560	360	240	130	110	90
PHASE STABILITY DEG.	0.3	0.6	1.2	3.6	5.4	8.0
LOSS STABILITY dB---->	0.01	0.01	0.01	0.03	0.05	0.08
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	HYBRID SMA

26.5 GHZ SMA MALES ON WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTES:
WORKHORSE 4 MONTH WARRANTY DOES NOT APPLY TO CABLES LESS THAN 24 INCHES
CABLES LESS THAN 18 INCHES FEATURE A CONTINUOUS INNER SLEEVE

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	
WHU26-3636-0 24	S	24.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.69	0.87	1.29	1.66	2.13	61.0
WHU26-3636-0 25		25.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.71	0.90	1.33	1.72	2.21	63.5
WHU26-3636-0 26		26.0	0.26	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.73	0.92	1.37	1.78	2.28	66.0
WHU26-3636-0 27		27.0	0.27	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.53	0.75	0.95	1.42	1.83	2.35	68.6
WHU26-3636-0 28		28.0	0.28	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.78	0.98	1.46	1.89	2.43	71.1
WHU26-3636-0 29		29.0	0.29	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.80	1.01	1.50	1.95	2.50	73.7
WHU26-3636-0 30		30.0	0.30	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.04	1.55	2.00	2.57	76.2
WHU26-3636-0 32		32.0	0.32	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.60	0.87	1.09	1.64	2.12	2.72	81.3
WHU26-3636-0 34		34.0	0.34	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.63	0.91	1.15	1.72	2.23	2.87	86.4
WHU26-3636-0 36	S	36.0	0.36	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.66	0.96	1.21	1.81	2.35	3.02	91.4
WHU26-3636-0 39		39.0	0.39	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.70	1.02	1.29	1.94	2.52	3.24	99.1
WHU26-3636-0 42		42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.09	1.38	2.08	2.69	3.46	106.7
WHU26-3636-0 45		45.0	0.45	5.6	1.10	1.15	1.20	1.25	1.30	1.35	0.79	1.16	1.47	2.21	2.86	3.68	114.3
WHU26-3636-0 48	S	48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.22	1.55	2.34	3.03	3.91	121.9
WHU26-3636-0 54		54.0	0.54	6.1	1.10	1.15	1.20	1.25	1.30	1.35	0.93	1.36	1.72	2.60	3.37	4.35	137.2
WHU26-3636-0 60	S	60.0	0.60	6.4	1.10	1.15	1.20	1.25	1.30	1.35	1.02	1.49	1.89	2.86	3.71	4.79	152.4
WHU26-3636-0 72		72.0	0.72	7.1	1.10	1.15	1.20	1.25	1.30	1.35	1.20	1.76	2.23	3.39	4.40	5.68	182.9
WHU26-3636-0 78	S	78.0	0.78	7.4	1.10	1.15	1.20	1.25	1.30	1.35	1.29	1.89	2.41	3.65	4.74	6.12	198.1
WHU26-3636-0 79		79.0	0.79	7.5	1.10	1.15	1.20	1.25	1.30	1.35	1.30	1.92	2.43	3.70	4.80	6.20	200.7
WHU26-3636-0 84		84.0	0.84	7.8	1.10	1.15	1.20	1.25	1.30	1.35	1.38	2.03	2.58	3.92	5.08	6.57	213.4
WHU26-3636-0 96		96.0	0.96	8.5	1.10	1.15	1.20	1.25	1.30	1.35	1.56	2.30	2.92	4.44	5.77	7.45	243.8
WHU26-3636-0 99		99.0	0.99	8.7	1.10	1.15	1.20	1.25	1.30	1.35	1.60	2.36	3.00	4.57	5.94	7.67	251.5
WHU26-3636-108		108.0	1.08	9.2	1.10	1.15	1.20	1.25	1.30	1.35	1.74	2.57	3.26	4.97	6.45	8.34	274.3
WHU26-3636-114		114.0	1.14	9.5	1.10	1.15	1.20	1.25	1.30	1.35	1.83	2.70	3.43	5.23	6.79	8.78	289.6
WHU26-3636-120		120.0	1.20	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.92	2.83	3.60	5.50	7.14	9.23	304.8
WHU26-3636-144		144.0	1.44	11.2	1.10	1.15	1.20	1.25	1.30	1.35	2.28	3.37	4.29	6.55	8.51	11.00	365.8
WHU26-3636-180		180.0	1.80	13.3	1.15	1.20	1.25	1.30	1.35	1.45	2.82	4.18	5.31	8.13	10.56	13.66	457.2
WHU26-3636-216		216.0	2.16	15.4	1.15	1.20	1.25	1.30	1.35	1.45	3.36	4.98	6.34	9.71	12.61	16.32	548.6
WHU26-3636-236		236.0	2.36	16.5	1.15	1.20	1.25	1.30	1.35	1.45	3.66	5.43	6.91	10.58	13.75	17.80	599.4
WHU26-3636-240		240.0	2.40	16.7	1.15	1.20	1.25	1.30	1.35	1.45	3.72	5.52	7.02	10.76	13.98	18.10	609.6
WHU26-3636-300		300.0	3.00	20.2	1.15	1.20	1.25	1.30	1.35	1.45	4.61	6.86	8.73	13.39	17.40	22.53	762.0
WHU26-3636-360		360.0	3.60	23.6	1.15	1.20	1.25	1.30	1.35	1.45	5.51	8.20	10.44	16.02	20.83	26.96	914.4
WHU26-3636-480		480.0	4.80	30.5	1.15	1.20	1.25	1.30	1.35	1.45	7.31	10.89	13.86	21.28	27.67	35.83	1219.2

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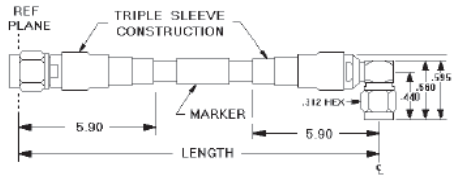
TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

SMA MALE STRAIGHT TO RIGHT ANGLE ON WORKHORSE® CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS ----->	560	360	240	200	130	110
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB--->	0.01	0.01	0.01	0.015	0.03	0.05
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	HYBRID SMA

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTE:
CABLES FORMED AT THE SPECIFIED BEND RADIUS
MEET SPECIFICATIONS DETAILED HEREIN

PART NUMBER		LENGTH INCHES	+ - LENGTH	MAX. WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
WHU18-3637-024	S	24.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.51	0.74	0.92	1.37	1.77	61.0
WHU18-3637-025		25.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.52	0.76	0.94	1.42	1.82	63.5
WHU18-3637-026		26.0	0.26	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.54	0.78	0.97	1.46	1.88	66.0
WHU18-3637-027		27.0	0.27	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.55	0.80	1.00	1.51	1.94	68.6
WHU18-3637-028		28.0	0.28	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.40	0.57	0.83	1.03	1.55	1.99	71.1
WHU18-3637-029		29.0	0.29	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.58	0.85	1.06	1.59	2.05	73.7
WHU18-3637-030	S	30.0	0.30	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.60	0.87	1.09	1.64	2.11	76.2
WHU18-3637-031		31.0	0.31	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.61	0.89	1.12	1.68	2.17	78.7
WHU18-3637-032		32.0	0.32	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.63	0.92	1.14	1.73	2.22	81.3
WHU18-3637-033		33.0	0.33	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.64	0.94	1.17	1.77	2.28	83.8
WHU18-3637-034		34.0	0.34	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.47	0.66	0.96	1.20	1.81	2.34	86.4
WHU18-3637-035		35.0	0.35	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.67	0.98	1.23	1.86	2.39	88.9
WHU18-3637-036	S	36.0	0.36	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.49	0.69	1.01	1.26	1.90	2.45	91.4
WHU18-3637-037		37.0	0.37	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.70	1.03	1.29	1.95	2.51	94.0
WHU18-3637-038		38.0	0.38	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.72	1.05	1.31	1.99	2.56	96.5
WHU18-3637-039		39.4	0.39	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.52	0.74	1.08	1.35	2.05	2.64	100.0
WHU18-3637-040		40.0	0.40	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.53	0.75	1.09	1.37	2.08	2.68	101.6
WHU18-3637-041		41.0	0.41	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.76	1.12	1.40	2.12	2.74	104.1
WHU18-3637-042	S	42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.55	0.78	1.14	1.43	2.16	2.79	106.7
WHU18-3637-043		43.0	0.43	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.79	1.16	1.46	2.21	2.85	109.2
WHU18-3637-044		44.0	0.44	5.5	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.81	1.18	1.49	2.25	2.91	111.8
WHU18-3637-045		45.0	0.45	5.6	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.82	1.21	1.51	2.30	2.96	114.3
WHU18-3637-046		46.0	0.46	5.6	1.10	1.15	1.20	1.25	1.30	1.35	0.59	0.84	1.23	1.54	2.34	3.02	116.8
WHU18-3637-047		47.0	0.47	5.7	1.10	1.15	1.20	1.25	1.30	1.35	0.60	0.85	1.25	1.57	2.38	3.08	119.4
WHU18-3637-048	S	48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30	1.35	0.61	0.87	1.27	1.60	2.43	3.13	121.9
WHU18-3637-051		51.0	0.51	5.9	1.10	1.15	1.20	1.25	1.30	1.35	0.64	0.91	1.34	1.69	2.56	3.31	129.5
WHU18-3637-054		54.0	0.54	6.1	1.10	1.15	1.20	1.25	1.30	1.35	0.67	0.96	1.41	1.77	2.69	3.48	137.2
WHU18-3637-057		57.0	0.57	6.2	1.10	1.15	1.20	1.25	1.30	1.35	0.70	1.00	1.47	1.86	2.82	3.65	144.8
WHU18-3637-060	S	60.0	0.60	6.4	1.10	1.15	1.20	1.25	1.30	1.35	0.73	1.05	1.54	1.94	2.95	3.82	152.4
WHU18-3637-063		63.0	0.63	6.6	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.09	1.61	2.03	3.09	3.99	160.0
WHU18-3637-066		66.0	0.66	6.8	1.10	1.15	1.20	1.25	1.30	1.35	0.79	1.14	1.68	2.11	3.22	4.16	167.6
WHU18-3637-069		69.0	0.69	6.9	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.18	1.74	2.20	3.35	4.33	175.3
WHU18-3637-072	S	72.0	0.72	7.1	1.10	1.15	1.20	1.25	1.30	1.35	0.85	1.23	1.81	2.28	3.48	4.50	182.9
WHU18-3637-079		78.7	0.79	7.5	1.10	1.15	1.20	1.25	1.30	1.35	0.92	1.33	1.96	2.48	3.78	4.89	200.0
WHU18-3637-084		84.0	0.84	7.8	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.41	2.08	2.63	4.01	5.19	213.4
WHU18-3637-090		90.0	0.90	8.1	1.10	1.15	1.20	1.25	1.30	1.35	1.04	1.50	2.21	2.80	4.27	5.53	228.6
WHU18-3637-096	S	96.0	0.96	8.5	1.10	1.15	1.20	1.25	1.30	1.35	1.10	1.59	2.35	2.97	4.53	5.87	243.8
WHU18-3637-099		99.0	0.99	8.7	1.10	1.15	1.20	1.25	1.30	1.35	1.13	1.63	2.41	3.05	4.66	6.04	251.5
WHU18-3637-102		102.0	1.02	8.8	1.10	1.15	1.20	1.25	1.30	1.35	1.16	1.68	2.48	3.14	4.80	6.22	259.1
WHU18-3637-105		105.0	1.05	9.0	1.10	1.15	1.20	1.25	1.30	1.35	1.19	1.72	2.55	3.22	4.93	6.39	266.7
WHU18-3637-108		108.0	1.08	9.2	1.10	1.15	1.20	1.25	1.30	1.35	1.22	1.77	2.62	3.31	5.06	6.56	274.3
WHU18-3637-118		118.1	1.18	9.7	1.10	1.15	1.20	1.25	1.30	1.35	1.32	1.92	2.84	3.60	5.50	7.13	300.0
WHU18-3637-120	S	120.0	1.20	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.34	1.95	2.88	3.65	5.58	7.24	304.8
WHU18-3637-126		126.0	1.26	10.2	1.10	1.15	1.20	1.25	1.30	1.35	1.40	2.04	3.02	3.82	5.85	7.58	320.0
WHU18-3637-132		132.0	1.32	10.5	1.10	1.15	1.20	1.25	1.30	1.35	1.46	2.13	3.15	3.99	6.11	7.93	335.3
WHU18-3637-138		138.0	1.38	10.9	1.15	1.20	1.25	1.30	1.35	1.45	1.52	2.22	3.29	4.16	6.37	8.27	350.5
WHU18-3637-144	S	144.0	1.44	11.2	1.15	1.20	1.25	1.30	1.35	1.45	1.59	2.31	3.42	4.34	6.64	8.61	365.8
WHU18-3637-156		157.5	1.57	12.0	1.15	1.20	1.25	1.30	1.35	1.45	1.72	2.51	3.72	4.72	7.23	9.38	400.0
WHU18-3637-168		168.0	1.68	12.6	1.15	1.20	1.25	1.30	1.35	1.45	1.83	2.67	3.96	5.02	7.69	9.98	426.7
WHU18-3637-180		180.0	1.80	13.3	1.15	1.20	1.25	1.30	1.35	1.45	1.95	2.85	4.23	5.36	8.22	10.66	457.2

S= STANDARD ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

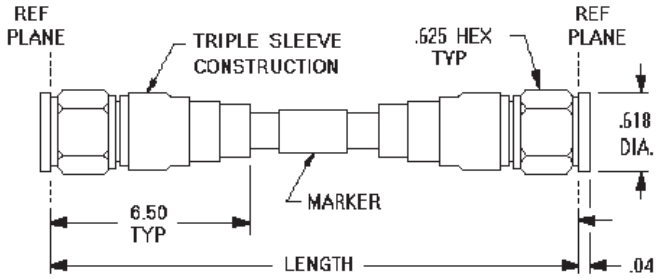
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS -------->	360	288	164	129	84	64
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.03	0.05
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MINIMUM BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
TNC CONNECTOR INTERFACE:	MIL-STD-348	(SOLID OUTER COND.)

TNC MALES ON WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TNC BODY:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
TNC NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

VSWR SPEC BELOW INCLUDES 2 ADAPTERS 1.15:1 MAX THRU 18 GHZ.
LOSS SPEC BELOW INCLUDES 2 ADAPTERS 0.15 DB MAX THRU 18 GHZ.

PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	CM
WHU18-3030-024		24.0	0.25	5.3	1.10	1.15	1.20	1.25	1.30	1.45	0.38	0.52	0.76	0.93	1.38	1.82	61.0
WHU18-3030-025		25.0	0.25	5.3	1.10	1.15	1.20	1.25	1.30	1.45	0.39	0.54	0.78	0.96	1.42	1.88	63.5
WHU18-3030-026		26.0	0.26	5.4	1.10	1.15	1.20	1.25	1.30	1.45	0.40	0.55	0.80	0.98	1.46	1.94	66.0
WHU18-3030-027		27.0	0.27	5.4	1.10	1.15	1.20	1.25	1.30	1.45	0.41	0.57	0.82	1.01	1.51	1.99	68.6
WHU18-3030-028		28.0	0.28	5.5	1.10	1.15	1.20	1.25	1.30	1.45	0.42	0.58	0.85	1.04	1.55	2.05	71.1
WHU18-3030-029		29.0	0.29	5.5	1.10	1.15	1.20	1.25	1.30	1.45	0.44	0.60	0.87	1.07	1.59	2.11	73.7
WHU18-3030-030		30.0	0.30	5.6	1.10	1.15	1.20	1.25	1.30	1.45	0.45	0.61	0.89	1.10	1.64	2.16	76.2
WHU18-3030-031		31.0	0.31	5.7	1.10	1.15	1.20	1.25	1.30	1.45	0.46	0.63	0.91	1.13	1.68	2.22	78.7
WHU18-3030-032		32.0	0.32	5.7	1.10	1.15	1.20	1.25	1.30	1.45	0.47	0.64	0.94	1.15	1.73	2.28	81.3
WHU18-3030-033		33.0	0.33	5.8	1.10	1.15	1.20	1.25	1.30	1.45	0.48	0.66	0.96	1.18	1.77	2.33	83.8
WHU18-3030-034		34.0	0.34	5.8	1.10	1.15	1.20	1.25	1.30	1.45	0.49	0.67	0.98	1.21	1.81	2.39	86.4
WHU18-3030-035		35.0	0.35	5.9	1.10	1.15	1.20	1.25	1.30	1.45	0.50	0.69	1.00	1.24	1.86	2.45	88.9
WHU18-3030-036		36.0	0.36	5.9	1.10	1.15	1.20	1.25	1.30	1.45	0.51	0.70	1.03	1.27	1.90	2.51	91.4
WHU18-3030-039		39.0	0.39	6.1	1.10	1.15	1.20	1.25	1.30	1.45	0.54	0.74	1.09	1.35	2.03	2.68	99.1
WHU18-3030-040		40.0	0.40	6.2	1.10	1.15	1.20	1.25	1.30	1.45	0.55	0.76	1.11	1.38	2.08	2.73	101.6
WHU18-3030-042		42.0	0.42	6.3	1.10	1.15	1.20	1.25	1.30	1.45	0.57	0.79	1.16	1.44	2.17	2.85	106.7
WHU18-3030-045		45.4	0.45	6.5	1.10	1.15	1.20	1.25	1.30	1.45	0.60	0.84	1.23	1.54	2.31	3.04	115.2
WHU18-3030-048		48.0	0.48	6.6	1.10	1.15	1.20	1.25	1.30	1.45	0.63	0.88	1.29	1.61	2.43	3.19	121.9
WHU18-3030-054		54.0	0.54	7.0	1.10	1.15	1.20	1.25	1.30	1.45	0.69	0.97	1.43	1.78	2.69	3.53	137.2
WHU18-3030-059		59.0	0.59	7.3	1.10	1.15	1.20	1.25	1.30	1.45	0.74	1.04	1.54	1.92	2.91	3.82	149.9
WHU18-3030-060		60.0	0.60	7.3	1.10	1.15	1.20	1.25	1.30	1.45	0.75	1.06	1.56	1.95	2.95	3.87	152.4
WHU18-3030-072		72.0	0.72	8.0	1.10	1.15	1.20	1.25	1.30	1.45	0.87	1.24	1.83	2.29	3.48	4.56	182.9
WHU18-3030-084		84.0	0.84	8.7	1.10	1.15	1.20	1.25	1.30	1.45	0.99	1.42	2.10	2.64	4.01	5.24	213.4
WHU18-3030-096		96.0	0.96	9.4	1.10	1.15	1.20	1.25	1.30	1.45	1.12	1.60	2.37	2.98	4.53	5.93	243.8
WHU18-3030-108		108.0	1.08	10.1	1.10	1.15	1.20	1.25	1.30	1.45	1.24	1.78	2.64	3.32	5.06	6.61	274.3
WHU18-3030-120		120.0	1.20	10.8	1.10	1.15	1.20	1.25	1.30	1.45	1.36	1.96	2.90	3.66	5.59	7.30	304.8
WHU18-3030-144		144.0	1.44	12.1	1.10	1.15	1.20	1.25	1.30	1.45	1.61	2.32	3.44	4.35	6.64	8.67	365.8
WHU18-3030-180		180.0	1.80	14.2	1.10	1.15	1.20	1.25	1.30	1.45	1.97	2.86	4.25	5.37	8.22	10.72	457.2
WHU18-3030-204		204.0	2.04	15.6	1.10	1.15	1.20	1.25	1.30	1.45	2.22	3.22	4.78	6.06	9.27	12.09	518.2
WHU18-3030-216		216.0	2.16	16.3	1.10	1.15	1.20	1.25	1.30	1.45	2.34	3.40	5.05	6.40	9.80	12.77	548.6
WHU18-3030-240		240.0	2.40	17.6	1.10	1.15	1.20	1.25	1.30	1.45	2.58	3.76	5.59	7.08	10.85	14.14	609.6

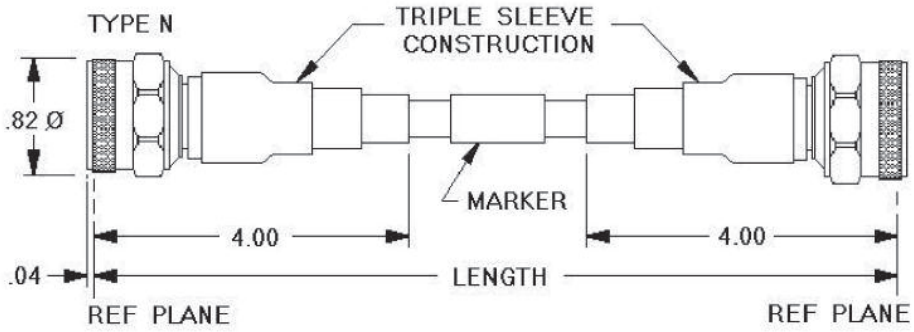
MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TYPE N MALE TO N MALE ON WORKHORSE® PLUS CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12.4	18
MAX. CW WATTS -------->	50	33	22	17.3	11.4	8.5
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.031	0.045
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.222	INCHES
MINIMUM BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +85	DEGREES C
MATING TORQUE:	10-15	INCH POUNDS
TYPE N CONNECTOR INTERFACE:	STD-348-402A	SOLID OUTER

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE:	7-1112-524-11	SEE DATA SHEET
CABLE JACKET:	POLYURETHANE	BLACK
MARKER:	MIL-I-23053	WHITE/BLACK MARKING
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE N BODY:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
TYPE N NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED
THESE TYPE N CONNECTORS DO NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17 (PKG OF 100).		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18	
1-1818-524-WH 24	S	24.0	0.25	5.4	1.07	1.12	1.18	1.23	1.28	1.30	0.34	0.45	0.70	0.88	1.36	1.73	61.0
1-1818-524-WH 30	S	30.0	0.30	5.8	1.07	1.12	1.18	1.23	1.28	1.30	0.40	0.54	0.85	1.06	1.64	2.09	76.2
1-1818-524-WH 36	S	36.0	0.36	6.1	1.07	1.12	1.18	1.23	1.28	1.30	0.47	0.64	0.99	1.24	1.92	2.45	91.4
1-1818-524-WH 39	M	39.4	0.39	6.3	1.07	1.12	1.18	1.23	1.28	1.30	0.50	0.69	1.07	1.34	2.08	2.66	100.1
1-1818-524-WH 48	S	48.0	0.48	6.9	1.07	1.12	1.18	1.23	1.28	1.30	0.59	0.83	1.27	1.60	2.48	3.17	121.9
1-1818-524-WH 59	M	59.1	0.59	7.6	1.07	1.12	1.18	1.23	1.28	1.30	0.71	1.00	1.53	1.93	3.00	3.84	150.0
1-1818-524-WH 60	S	60.0	0.60	7.6	1.10	1.15	1.20	1.25	1.30	1.35	0.72	1.02	1.55	1.96	3.05	3.89	152.4
1-1818-524-WH 72	S	72.0	0.72	8.4	1.10	1.15	1.20	1.25	1.30	1.35	0.85	1.21	1.83	2.32	3.61	4.61	182.9
1-1818-524-WH 79	M	78.8	0.79	8.8	1.10	1.15	1.20	1.25	1.30	1.35	0.92	1.31	1.99	2.52	3.93	5.02	200.2
1-1818-524-WH 84	S	84.0	0.84	9.1	1.10	1.15	1.20	1.25	1.30	1.35	0.98	1.40	2.12	2.68	4.18	5.33	213.4
1-1818-524-WH 96	S	96.0	0.96	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.11	1.58	2.40	3.04	4.74	6.05	243.8
2-1818-524-WH 10		120.0	1.20	11.4	1.12	1.18	1.23	1.28	1.35	1.38	1.37	1.96	2.96	3.76	5.87	7.49	304.8
2-1818-524-WH 12		144.0	1.44	12.9	1.12	1.18	1.23	1.28	1.35	1.38	1.62	2.34	3.53	4.48	7.00	8.93	365.8
2-1818-524-WH 15	D	180.0	1.80	15.2	1.12	1.18	1.23	1.28	1.35	1.38	2.01	2.91	4.38	5.56	8.70	11.09	457.2
2-1818-524-WH 20	D	240.0	2.40	18.9	1.12	1.18	1.23	1.28	1.35	1.38	2.65	3.86	5.79	7.36	11.52	14.69	609.6
2-1818-524-WH 25	D	300.0	3.00	22.7	1.12	1.18	1.23	1.28	1.35	1.38	3.30	4.80	7.20	9.16	14.34	18.30	762.0
2-1818-524-WH 30	D	360.0	3.60	26.4	1.12	1.18	1.23	1.28	1.35	1.38	3.94	5.75	8.61	10.95	17.17	21.90	914.4
1= INCHES	S	= STANDARD ITEM			MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.												
2 = FEET	M	= METRIC EQUIVALENT LENGTH															
NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.																	
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.																	

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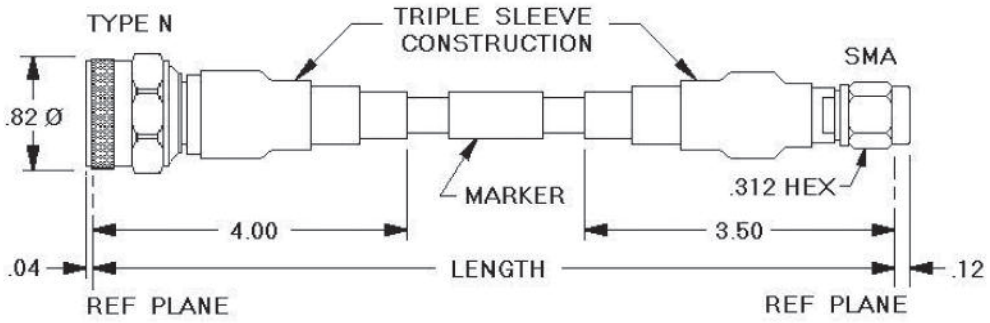
TYPE N MALE TO HYBRID SMA MALE ON WORKHORSE® PLUS CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12.4	18
MAX. CW WATTS -------->	50	33	22	17.3	11.4	8.50
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.031	0.045
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.222	INCHES
MINIMUM BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +85	DEGREES C
MATING TORQUE:	7-10 SMA, 10-15 N	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	N=SOLID OUTER

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE:	7-1112-524-11	SEE DATA SHEET
CABLE JACKET:	POLYURETHANE	BLACK
MARKER:	MIL-I-23053	WHITE/BLACK MARKING
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE N BODY:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
TYPE N NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
THE TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17 (PKG OF 100).		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	MAX. WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18	
1-1836-524-WH 24	S	24.0	0.25	5.4	1.07	1.12	1.18	1.23	1.28	1.30	0.33	0.44	0.68	0.86	1.32	1.69	61.0
1-1836-524-WH 30	S	30.0	0.30	5.8	1.07	1.12	1.18	1.23	1.28	1.30	0.39	0.53	0.83	1.04	1.60	2.05	76.2
1-1836-524-WH 36	S	36.0	0.36	6.1	1.07	1.12	1.18	1.23	1.28	1.30	0.46	0.62	0.97	1.22	1.89	2.41	91.4
1-1836-524-WH 39	M	39.4	0.39	6.3	1.07	1.12	1.18	1.23	1.28	1.30	0.49	0.68	1.05	1.32	2.05	2.61	100.1
1-1836-524-WH 48	S	48.0	0.48	6.9	1.07	1.12	1.18	1.23	1.28	1.30	0.58	0.81	1.25	1.58	2.45	3.13	121.9
1-1836-524-WH 59	M	59.1	0.59	7.6	1.07	1.12	1.18	1.23	1.28	1.30	0.70	0.99	1.51	1.91	2.97	3.79	150.0
1-1836-524-WH 60	S	60.0	0.60	7.6	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.00	1.53	1.94	3.01	3.85	152.4
1-1836-524-WH 72	S	72.0	0.72	8.4	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.19	1.81	2.30	3.58	4.57	182.9
1-1836-524-WH 79	M	78.8	0.79	8.8	1.10	1.15	1.20	1.25	1.30	1.35	0.91	1.30	1.97	2.50	3.90	4.98	200.2
1-1836-524-WH 84	S	84.0	0.84	9.1	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.38	2.10	2.66	4.14	5.29	213.4
1-1836-524-WH 96	S	96.0	0.96	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.10	1.57	2.38	3.02	4.71	6.01	243.8
2-1836-524-WH 10		120.0	1.20	11.4	1.12	1.18	1.23	1.28	1.35	1.38	1.36	1.95	2.94	3.74	5.84	7.45	304.8
2-1836-524-WH 12		144.0	1.44	12.9	1.12	1.18	1.23	1.28	1.35	1.38	1.61	2.33	3.51	4.45	6.97	8.89	365.8
2-1836-524-WH 15	D	180.0	1.80	15.2	1.12	1.18	1.23	1.28	1.35	1.38	2.00	2.90	4.36	5.53	8.66	11.05	457.2
2-1836-524-WH 20	D	240.0	2.40	18.9	1.12	1.18	1.23	1.28	1.35	1.38	2.64	3.84	5.77	7.33	11.49	14.65	609.6
2-1836-524-WH 25	D	300.0	3.00	22.7	1.12	1.18	1.23	1.28	1.35	1.38	3.29	4.79	7.18	9.13	14.31	18.25	762.0
2-1836-524-WH 30	D	360.0	3.60	26.4	1.12	1.18	1.23	1.28	1.35	1.38	3.93	5.73	8.59	10.93	17.13	21.85	914.4
1= INCHES	S = STANDARD ITEM				MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.												
2 = FEET	M = METRIC EQUIVALENT LENGTH																
NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.																	
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.																	

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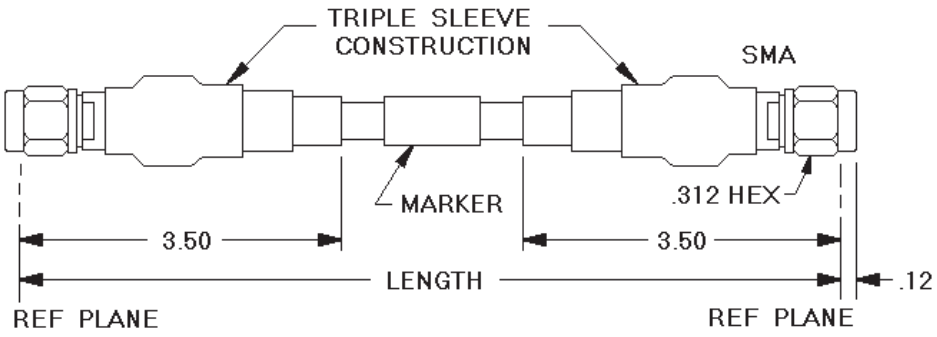
HYBRID SMA MALE TO SMA MALE ON WORKHORSE® PLUS CABLE.



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.8	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12.4	18
MAX. CW WATTS -------->	50	33	22	17.3	11.4	8.5
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.031	0.045
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE:	7-1112-524-11	SEE DATA SHEET
CABLE JACKET:	POLYURETHANE	BLACK
MARKER:	MIL-I-23053	WHITE/BLACK MARKING
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.222	INCHES
MINIMUM BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACES:	MIL-STD-348	

PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18	CM
1-3636-524-WH12	S	12.0	0.25	4.6	1.07	1.12	1.18	1.23	1.28	1.30	0.19	0.23	0.38	0.47	0.72	0.93	30.5
1-3636-524-WH18	S	18.0	0.25	5.0	1.07	1.12	1.18	1.23	1.28	1.30	0.25	0.33	0.52	0.65	1.00	1.29	45.7
1-3636-524-WH24	S	24.0	0.25	5.4	1.07	1.12	1.18	1.23	1.28	1.30	0.32	0.42	0.66	0.83	1.29	1.65	61.0
1-3636-524-WH30	S	30.0	0.25	5.8	1.07	1.12	1.18	1.23	1.28	1.30	0.38	0.52	0.81	1.01	1.57	2.01	76.2
1-3636-524-WH36	S	36.0	0.36	6.1	1.07	1.12	1.18	1.23	1.28	1.30	0.45	0.61	0.95	1.19	1.85	2.37	91.4
1-3636-524-WH39	M	39.4	0.39	6.3	1.07	1.12	1.18	1.23	1.28	1.30	0.48	0.66	1.03	1.29	2.01	2.57	100.0
1-3636-524-WH42	S	42.0	0.42	6.5	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.70	1.09	1.37	2.13	2.73	106.7
1-3636-524-WH48	S	48.0	0.48	6.9	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.80	1.23	1.55	2.41	3.09	121.9
1-3636-524-WH54	S	54.0	0.54	7.3	1.10	1.15	1.20	1.25	1.30	1.35	0.64	0.89	1.37	1.73	2.70	3.45	137.2
1-3636-524-WH59	M	59.0	0.59	7.6	1.10	1.15	1.20	1.25	1.30	1.35	0.69	0.97	1.49	1.88	2.93	3.75	150.0
1-3636-524-WH72	S	72.0	0.72	8.4	1.10	1.15	1.20	1.25	1.30	1.35	0.83	1.18	1.79	2.27	3.54	4.53	182.9
1-3636-524-WH84		84.0	0.84	9.1	1.10	1.15	1.20	1.25	1.30	1.35	0.96	1.37	2.08	2.63	4.11	5.25	213.4
1-3636-524-WH96		96.0	0.96	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.09	1.56	2.36	2.99	4.67	5.97	243.8
2-3636-524-WH10		120.0	1.20	11.4	1.12	1.18	1.23	1.28	1.35	1.38	1.35	1.93	2.92	3.71	5.80	7.41	304.8
2-3636-524-WH15		180.0	1.80	15.2	1.12	1.18	1.23	1.28	1.35	1.38	1.99	2.88	4.34	5.51	8.63	11.01	457.2
2-3636-524-WH20		240.0	2.40	18.9	1.12	1.18	1.23	1.28	1.35	1.38	2.63	3.83	5.75	7.31	11.45	14.61	609.6
2-3636-524-WH25		300.0	3.00	22.7	1.12	1.18	1.23	1.28	1.35	1.38	3.28	4.77	7.16	9.11	14.27	18.21	762.0
1= INCHES	S = STANDARD ITEM				MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.												
2 = FEET	M = METRIC EQUIVALENT LENGTH																

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

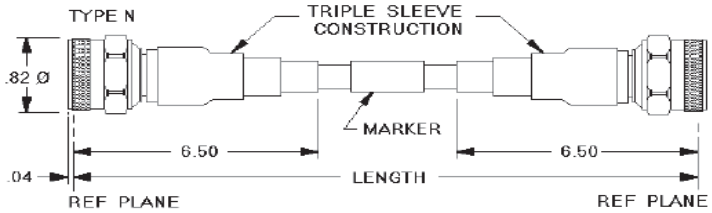
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				25.0	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				80.0	%	
RELATIVE SHIELDING:				-90.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.29	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				107	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS -------->	700	500	350	290	180	140
PHASE STABILITY DEG.	0.6	1.2	2.4	3.6	7.2	10.8
LOSS STABILITY dB---->	0.02	0.02	0.02	0.03	0.06	0.10
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	75	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	10-15	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	

TYPE N MALES ON LOW LOSS WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	GRAY TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED
THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17.		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
WLU18-1818-024		24.0	0.25	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.27	0.37	0.51	0.62	0.88	1.09	61.0
WLU18-1818-025		25.0	0.25	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.38	0.53	0.64	0.91	1.13	63.5
WLU18-1818-026		26.0	0.26	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.39	0.54	0.66	0.93	1.16	66.0
WLU18-1818-027		27.0	0.27	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.40	0.56	0.67	0.96	1.19	68.6
WLU18-1818-028		28.0	0.28	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.41	0.57	0.69	0.99	1.22	71.1
WLU18-1818-029		29.0	0.29	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.42	0.59	0.71	1.01	1.26	73.7
WLU18-1818-030		30.0	0.30	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.43	0.60	0.73	1.04	1.29	76.2
WLU18-1818-031		31.0	0.31	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.44	0.62	0.75	1.06	1.32	78.7
WLU18-1818-032		32.0	0.32	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.45	0.63	0.76	1.09	1.35	81.3
WLU18-1818-033		33.0	0.33	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.34	0.46	0.65	0.78	1.12	1.39	83.8
WLU18-1818-034		34.0	0.34	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.47	0.66	0.80	1.14	1.42	86.4
WLU18-1818-035		35.0	0.35	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.48	0.68	0.82	1.17	1.45	88.9
WLU18-1818-036		36.0	0.36	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.49	0.69	0.84	1.20	1.48	91.4
WLU18-1818-039		39.0	0.39	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.52	0.74	0.89	1.27	1.58	99.1
WLU18-1818-042		42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.40	0.55	0.78	0.95	1.35	1.68	106.7
WLU18-1818-045		45.4	0.45	5.6	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.59	0.83	1.01	1.44	1.79	115.2
WLU18-1818-048		48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.62	0.87	1.06	1.51	1.87	121.9
WLU18-1818-054		54.0	0.54	6.0	1.10	1.15	1.20	1.25	1.30	1.35	0.49	0.68	0.96	1.17	1.67	2.07	137.2
WLU18-1818-060		60.0	0.60	6.3	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.74	1.05	1.27	1.82	2.26	152.4
WLU18-1818-066		66.0	0.66	6.6	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.80	1.13	1.38	1.98	2.46	167.6
WLU18-1818-072		72.0	0.72	6.8	1.10	1.15	1.20	1.25	1.30	1.35	0.62	0.86	1.22	1.49	2.14	2.65	182.9
WLU18-1818-084		84.0	0.84	7.4	1.10	1.15	1.20	1.25	1.30	1.35	0.71	0.99	1.40	1.71	2.45	3.04	213.4
WLU18-1818-096		96.0	0.96	8.0	1.10	1.15	1.20	1.25	1.30	1.35	0.80	1.11	1.58	1.93	2.77	3.43	243.8
WLU18-1818-099		99.0	0.99	8.1	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.14	1.62	1.98	2.85	3.53	251.5
WLU18-1818-108		108.0	1.08	8.5	1.10	1.15	1.20	1.25	1.30	1.35	0.88	1.24	1.75	2.15	3.08	3.82	274.3
WLU18-1818-120		120.0	1.20	9.1	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.36	1.93	2.37	3.40	4.22	304.8
WLU18-1818-144		144.0	1.44	10.2	1.13	1.18	1.23	1.28	1.33	1.38	1.14	1.61	2.28	2.80	4.02	5.00	365.8
WLU18-1818-180		180.0	1.80	11.9	1.13	1.18	1.23	1.28	1.33	1.38	1.41	1.98	2.82	3.46	4.97	6.17	457.2
WLU18-1818-240		240.0	2.40	14.7	1.13	1.18	1.23	1.28	1.33	1.38	1.84	2.60	3.70	4.55	6.54	8.12	609.6
WLU18-1818-300		300.0	3.00	17.5	1.18	1.21	1.28	1.31	1.38	1.41	2.28	3.22	4.59	5.64	8.11	10.07	762.0
WLU18-1818-540		540.0	5.40	28.7	1.18	1.21	1.28	1.31	1.38	1.41	4.02	5.70	8.13	10.01	14.39	17.87	1371.6
WLU18-1818-780		780.0	7.80	39.9	1.18	1.21	1.28	1.31	1.38	1.41	5.76	8.18	11.67	14.38	20.67	25.68	1981.2
MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY																	
NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.																	
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.																	

WORKHORSE IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

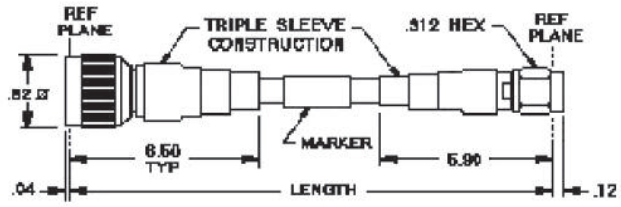
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				25.0	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				80.0	%	
RELATIVE SHIELDING:				-90.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.29	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				107	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS -------->	700	500	350	290	180	140
PHASE STABILITY DEG.	0.6	1.2	2.4	3.6	7.2	10.8
LOSS STABILITY dB---->	0.02	0.02	0.02	0.03	0.06	0.10
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	75	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	HYBRID SMA N

TYPE N AND SMA MALES ON LOW LOSS WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	GRAY TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKETS:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER	LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
				UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
WLU18-1836-024	24.0	0.25	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.27	0.37	0.51	0.62	0.88	1.09	61.0
WLU18-1836-025	25.0	0.25	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.38	0.53	0.64	0.91	1.12	63.5
WLU18-1836-026	26.0	0.26	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.39	0.54	0.66	0.93	1.16	66.0
WLU18-1836-027	27.0	0.27	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.40	0.56	0.67	0.96	1.19	68.6
WLU18-1836-028	28.0	0.28	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.41	0.57	0.69	0.99	1.22	71.1
WLU18-1836-029	29.0	0.29	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.42	0.59	0.71	1.01	1.25	73.7
WLU18-1836-030	30.0	0.30	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.43	0.60	0.73	1.04	1.29	76.2
WLU18-1836-031	31.0	0.31	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.44	0.62	0.75	1.06	1.32	78.7
WLU18-1836-032	32.0	0.32	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.45	0.63	0.76	1.09	1.35	81.3
WLU18-1836-033	33.0	0.33	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.34	0.46	0.65	0.78	1.12	1.38	83.8
WLU18-1836-034	34.0	0.34	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.47	0.66	0.80	1.14	1.42	86.4
WLU18-1836-035	35.0	0.35	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.48	0.68	0.82	1.17	1.45	88.9
WLU18-1836-036	36.0	0.36	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.49	0.69	0.84	1.20	1.48	91.4
WLU18-1836-037	37.0	0.37	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.50	0.71	0.86	1.22	1.51	94.0
WLU18-1836-038	38.0	0.38	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.51	0.72	0.87	1.25	1.55	96.5
WLU18-1836-039	39.4	0.39	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.53	0.74	0.90	1.28	1.59	100.0
WLU18-1836-040	40.0	0.40	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.53	0.75	0.91	1.30	1.61	101.6
WLU18-1836-041	41.0	0.41	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.40	0.54	0.76	0.93	1.33	1.64	104.1
WLU18-1836-042	42.0	0.42	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.40	0.55	0.78	0.95	1.35	1.68	106.7
WLU18-1836-043	43.0	0.43	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.41	0.56	0.79	0.97	1.38	1.71	109.2
WLU18-1836-044	44.0	0.44	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.58	0.81	0.98	1.41	1.74	111.8
WLU18-1836-045	45.0	0.45	5.5	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.59	0.82	1.00	1.43	1.77	114.3
WLU18-1836-046	46.0	0.46	5.5	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.60	0.84	1.02	1.46	1.81	116.8
WLU18-1836-047	47.0	0.47	5.6	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.61	0.85	1.04	1.48	1.84	119.4
WLU18-1836-048	48.0	0.48	5.6	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.62	0.87	1.06	1.51	1.87	121.9
WLU18-1836-051	51.0	0.51	5.8	1.10	1.15	1.20	1.25	1.30	1.35	0.47	0.65	0.91	1.11	1.59	1.97	129.5
WLU18-1836-054	54.0	0.54	5.9	1.10	1.15	1.20	1.25	1.30	1.35	0.49	0.68	0.96	1.17	1.67	2.07	137.2
WLU18-1836-057	57.0	0.57	6.0	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.71	1.00	1.22	1.75	2.16	144.8
WLU18-1836-060	60.0	0.60	6.2	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.74	1.05	1.27	1.82	2.26	152.4
WLU18-1836-063	63.0	0.63	6.3	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.77	1.09	1.33	1.90	2.36	160.0
WLU18-1836-066	66.0	0.66	6.5	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.80	1.13	1.38	1.98	2.46	167.6
WLU18-1836-069	69.0	0.69	6.6	1.10	1.15	1.20	1.25	1.30	1.35	0.60	0.83	1.18	1.44	2.06	2.55	175.3
WLU18-1836-072	72.0	0.72	6.7	1.10	1.15	1.20	1.25	1.30	1.35	0.62	0.86	1.22	1.49	2.14	2.65	182.9
WLU18-1836-079	78.7	0.79	7.0	1.15	1.20	1.25	1.30	1.35	1.45	0.67	0.93	1.32	1.62	2.31	2.87	200.0
WLU18-1836-084	84.0	0.84	7.3	1.15	1.20	1.25	1.30	1.35	1.45	0.71	0.99	1.40	1.71	2.45	3.04	213.4
WLU18-1836-090	90.0	0.90	7.6	1.15	1.20	1.25	1.30	1.35	1.45	0.75	1.05	1.49	1.82	2.61	3.24	228.6
WLU18-1836-096	96.0	0.96	7.9	1.15	1.20	1.25	1.30	1.35	1.45	0.80	1.11	1.58	1.93	2.77	3.43	243.8
WLU18-1836-099	99.0	0.99	8.0	1.15	1.20	1.25	1.30	1.35	1.45	0.82	1.14	1.62	1.98	2.85	3.53	251.5
WLU18-1836-102	102.0	1.02	8.1	1.15	1.20	1.25	1.30	1.35	1.45	0.84	1.17	1.66	2.04	2.92	3.62	259.1
WLU18-1836-105	105.0	1.05	8.3	1.15	1.20	1.25	1.30	1.35	1.45	0.86	1.20	1.71	2.09	3.00	3.72	266.7
WLU18-1836-108	108.0	1.08	8.4	1.15	1.20	1.25	1.30	1.35	1.45	0.88	1.24	1.75	2.15	3.08	3.82	274.3
WLU18-1836-118	118.1	1.18	8.9	1.15	1.20	1.25	1.30	1.35	1.45	0.96	1.34	1.90	2.33	3.35	4.15	300.0
WLU18-1836-120	120.0	1.20	9.0	1.15	1.20	1.25	1.30	1.35	1.45	0.97	1.36	1.93	2.37	3.40	4.21	304.8
WLU18-1836-126	126.0	1.26	9.3	1.15	1.20	1.25	1.30	1.35	1.45	1.01	1.42	2.02	2.48	3.55	4.40	320.0
WLU18-1836-132	132.0	1.32	9.5	1.15	1.20	1.25	1.30	1.35	1.45	1.06	1.48	2.11	2.59	3.71	4.60	335.3
WLU18-1836-138	138.0	1.38	9.8	1.15	1.20	1.25	1.30	1.35	1.45	1.10	1.55	2.20	2.69	3.87	4.79	350.5
WLU18-1836-144	144.0	1.44	10.1	1.15	1.20	1.25	1.30	1.35	1.45	1.14	1.61	2.28	2.80	4.02	4.99	365.8
WLU18-1836-156	157.5	1.57	10.7	1.15	1.20	1.25	1.30	1.35	1.45	1.24	1.75	2.48	3.05	4.38	5.43	400.0
WLU18-1836-168	168.0	1.68	11.2	1.15	1.20	1.25	1.30	1.35	1.45	1.32	1.86	2.64	3.24	4.65	5.77	426.7
WLU18-1836-180	180.0	1.80	11.8	1.15	1.20	1.25	1.30	1.35	1.45	1.41	1.98	2.82	3.46	4.97	6.16	457.2

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

WORKHORSE IS A TRADEMARK OF TENSOLITE CO.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

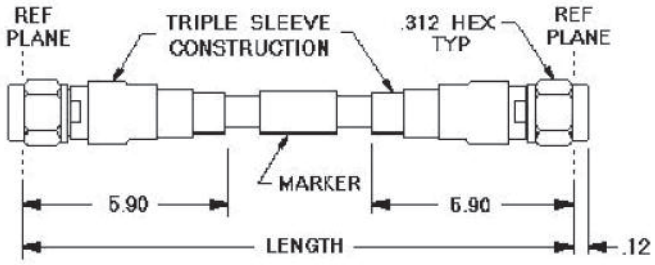
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				25.0	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				80.0	%	
RELATIVE SHIELDING:				-90.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.29	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				107	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS -------->	700	500	350	290	180	140
PHASE STABILITY DEG.	0.6	1.2	2.4	3.6	7.2	10.8
LOSS STABILITY dB---->	0.02	0.02	0.02	0.03	0.06	0.10
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	75	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	HYBRID SMA N

SMA MALES ON LOW LOSS WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	GRAY TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKETS:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
WLU18-3636-024		24.0	0.25	3.4	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.34	0.47	0.57	0.81	1.01	61.0
WLU18-3636-025		25.0	0.25	3.4	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.35	0.49	0.59	0.84	1.04	63.5
WLU18-3636-026		26.0	0.26	3.5	1.10	1.15	1.20	1.25	1.30	1.35	0.27	0.36	0.50	0.61	0.86	1.07	66.0
WLU18-3636-027		27.0	0.27	3.5	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.37	0.52	0.62	0.89	1.11	68.6
WLU18-3636-028		28.0	0.28	3.6	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.38	0.53	0.64	0.92	1.14	71.1
WLU18-3636-029		29.0	0.29	3.6	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.39	0.55	0.66	0.94	1.17	73.7
WLU18-3636-030		30.0	0.30	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.40	0.56	0.68	0.97	1.20	76.2
WLU18-3636-031		31.0	0.31	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.41	0.58	0.70	1.00	1.24	78.7
WLU18-3636-032		32.0	0.32	3.8	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.42	0.59	0.72	1.02	1.27	81.3
WLU18-3636-033		33.0	0.33	3.8	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.43	0.61	0.73	1.05	1.30	83.8
WLU18-3636-034		34.0	0.34	3.9	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.44	0.62	0.75	1.07	1.33	86.4
WLU18-3636-035		35.0	0.35	3.9	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.45	0.64	0.77	1.10	1.37	88.9
WLU18-3636-036		36.0	0.36	4.0	1.10	1.15	1.20	1.25	1.30	1.35	0.34	0.46	0.65	0.79	1.13	1.40	91.4
WLU18-3636-039		39.0	0.39	4.1	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.50	0.70	0.84	1.21	1.50	99.1
WLU18-3636-042		42.0	0.42	4.2	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.53	0.74	0.90	1.28	1.59	106.7
WLU18-3636-045		45.4	0.45	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.41	0.56	0.79	0.96	1.37	1.70	115.2
WLU18-3636-048		48.0	0.48	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.59	0.83	1.01	1.44	1.79	121.9
WLU18-3636-054		54.0	0.54	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.47	0.65	0.92	1.12	1.60	1.98	137.2
WLU18-3636-060		60.0	0.60	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.52	0.71	1.01	1.23	1.75	2.18	152.4
WLU18-3636-066		66.0	0.66	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.77	1.09	1.33	1.91	2.37	167.6
WLU18-3636-072		72.0	0.72	5.6	1.10	1.15	1.20	1.25	1.30	1.35	0.60	0.84	1.18	1.44	2.07	2.57	182.9
WLU18-3636-084		84.0	0.84	6.2	1.10	1.15	1.20	1.25	1.30	1.35	0.69	0.96	1.36	1.66	2.38	2.96	213.4
WLU18-3636-096		96.0	0.96	6.8	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.08	1.54	1.88	2.70	3.35	243.8
WLU18-3636-099		99.0	0.99	6.9	1.13	1.18	1.23	1.28	1.33	1.38	0.80	1.11	1.58	1.94	2.78	3.45	251.5
WLU18-3636-108		108.0	1.08	7.3	1.13	1.18	1.23	1.28	1.33	1.38	0.86	1.21	1.71	2.10	3.01	3.74	274.3
WLU18-3636-120		120.0	1.20	7.9	1.13	1.18	1.23	1.28	1.33	1.38	0.95	1.33	1.89	2.32	3.33	4.13	304.8
WLU18-3636-144		144.0	1.44	9.0	1.13	1.18	1.23	1.28	1.33	1.38	1.12	1.58	2.24	2.75	3.95	4.91	365.8
WLU18-3636-180		180.0	1.80	10.7	1.16	1.21	1.26	1.31	1.36	1.41	1.39	1.95	2.78	3.41	4.90	6.08	457.2
WLU18-3636-240		240.0	2.40	13.5	1.16	1.21	1.26	1.31	1.36	1.41	1.82	2.57	3.66	4.50	6.47	8.03	609.6
WLU18-3636-394		394.0	3.94	20.7	1.16	1.21	1.26	1.31	1.36	1.41	2.94	4.16	5.93	7.31	10.50	13.04	1000.8
WLU18-3636-540		540.0	5.40	27.5	1.16	1.21	1.26	1.31	1.36	1.41	4.00	5.67	8.09	9.96	14.32	17.79	1371.6
WLU18-3636-780		780.0	7.80	38.7	1.16	1.21	1.26	1.31	1.36	1.41	5.74	8.15	11.63	14.33	20.61	25.59	1981.2

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

WORKHORSE IS A REGISTERED TRADEMARK OF TENSOLITE CO.

VISIT OUR WEB SITE AT http://www.tensolite.com

THE ARMORED WORKHORSE® SERIES

18 and 26.5 GHz Cable Assemblies

DESCRIPTION

The Armored **WORKHORSE**® is the result of Tensolite's years of assembly experience coupled with the demand for lower cost products. This assembly uses time proven "504" cable, our most rugged stainless steel connectors and a **new, extremely durable** yet cost effective attachment method. The Armored **WORKHORSE**® features a stainless steel, crush-proof jacket that protects the cable from the everyday wear and tear associated with a lab environment. Especially effective on larger cable assemblies, the Armored **WORKHORSE**™ will withstand the test of time.

APPLICATIONS

The Armored **WORKHORSE**® is specifically designed for temperature testing, very high volume production lines and strenuous flexing/mating situations that would quickly destroy typical connectors and attachment methods.

- -55° C to +105° C temperature testing
- Very high volume production testing
- Strenuous flexing/mating situations
- Replaces expensive lab test cables

Repair or replacement if connector attachment fails within 4 months of shipment. Excludes cable or connector interface damage from misuse or abuse,

FEATURES

- **New, extremely durable** and long lasting connector attachment method
- "Armored" for even greater protection
- Excellent high frequency response
- Phase stable with flexure
- **Dramatically** cuts the cost of production test cables
- Standard lengths in stock

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

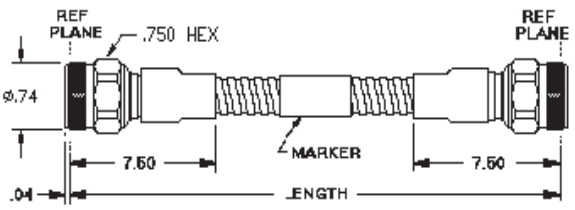
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS -------->	213	145	97	76	49	38
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.03	0.05
CABLE FORMED AND STRAIGHTENED 9O DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.320	INCHES
MIN. ONE TIME BEND RADIUS:	1.60	INCHES
PREFERRED BEND RADIUS:	6.40	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
TYPE N CONNECTOR INTERFACE:	MIL-STD-348	(SOLID OUTER COND.)

TYPE N MALES ON ARMORED WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	ARMOR, 1500 PSI CRUSH	STAINLESS STEEL
MARKER:	MIL-I-23053/5	WHITE
BOOTS:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
TYPE N BODY:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
TYPE N NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765, SILICON RUBBER	RED
THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET PART NUMBER 5-1368-100-17.		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S12 AND S21 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
WHA18-1818-024	D	24.0	0.25	7.1	1.07	1.12	1.15	1.18	1.22	1.30	0.32	0.46	0.68	0.85	1.28	1.66	2.88	61.0
WHA18-1818-025		25.0	0.25	7.2	1.07	1.12	1.15	1.18	1.22	1.30	0.33	0.48	0.70	0.88	1.32	1.72	3.00	63.5
WHA18-1818-026		26.0	0.26	7.3	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.49	0.72	0.90	1.36	1.78	3.11	66.0
WHA18-1818-027		27.0	0.27	7.4	1.07	1.12	1.15	1.18	1.22	1.30	0.35	0.51	0.74	0.93	1.41	1.84	3.24	68.6
WHA18-1818-028		28.0	0.28	7.6	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.52	0.77	0.96	1.45	1.89	3.35	71.1
WHA18-1818-029		29.0	0.29	7.7	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.54	0.79	0.99	1.49	1.95	3.48	73.7
WHA18-1818-030		30.0	0.30	7.8	1.07	1.12	1.15	1.18	1.22	1.30	0.39	0.55	0.81	1.02	1.54	2.01	3.60	76.2
WHA18-1818-031		31.0	0.31	8.0	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.57	0.83	1.05	1.58	2.06	3.71	78.7
WHA18-1818-032		32.0	0.32	8.1	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.58	0.86	1.07	1.63	2.12	3.84	81.3
WHA18-1818-033		33.0	0.33	8.2	1.07	1.12	1.15	1.18	1.22	1.30	0.42	0.60	0.88	1.10	1.67	2.18	3.95	83.8
WHA18-1818-034		34.0	0.34	8.4	1.07	1.12	1.15	1.18	1.22	1.30	0.43	0.61	0.90	1.13	1.71	2.23	4.08	86.4
WHA18-1818-035		35.0	0.35	8.5	1.07	1.12	1.15	1.18	1.22	1.30	0.44	0.63	0.92	1.16	1.76	2.29	4.19	88.9
WHA18-1818-036	D	36.0	0.36	8.6	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.64	0.95	1.19	1.80	2.35	4.31	91.4
WHA18-1818-037		37.0	0.37	8.8	1.07	1.12	1.15	1.18	1.22	1.30	0.46	0.65	0.97	1.22	1.85	2.41	4.43	94.0
WHA18-1818-038		38.0	0.38	8.9	1.07	1.12	1.15	1.18	1.22	1.30	0.47	0.67	0.99	1.25	1.89	2.46	4.55	96.5
WHA18-1818-039	D	39.4	0.39	9.1	1.07	1.12	1.15	1.18	1.22	1.30	0.48	0.69	1.02	1.28	1.95	2.54	4.72	100.0
WHA18-1818-040		40.0	0.40	9.2	1.07	1.12	1.15	1.18	1.22	1.30	0.49	0.70	1.03	1.30	1.98	2.58	4.79	101.6
WHA18-1818-041		41.0	0.41	9.3	1.07	1.12	1.15	1.18	1.22	1.30	0.50	0.71	1.06	1.33	2.02	2.63	4.91	104.1
WHA18-1818-042		42.0	0.42	9.4	1.07	1.12	1.15	1.18	1.22	1.30	0.51	0.73	1.08	1.36	2.07	2.69	5.03	106.7
WHA18-1818-043		43.0	0.43	9.6	1.07	1.12	1.15	1.18	1.22	1.30	0.52	0.74	1.10	1.39	2.11	2.75	5.15	109.2
WHA18-1818-044		44.0	0.44	9.7	1.07	1.12	1.15	1.18	1.22	1.30	0.53	0.76	1.12	1.42	2.15	2.81	5.27	111.8
WHA18-1818-045		45.0	0.45	9.8	1.07	1.12	1.15	1.18	1.22	1.30	0.54	0.77	1.15	1.45	2.20	2.86	5.39	114.3
WHA18-1818-046		46.0	0.46	10.0	1.07	1.12	1.15	1.18	1.22	1.30	0.55	0.79	1.17	1.47	2.24	2.92	5.51	116.8
WHA18-1818-047		47.0	0.47	10.1	1.07	1.12	1.15	1.18	1.22	1.30	0.56	0.80	1.19	1.50	2.28	2.98	5.63	119.4
WHA18-1818-048	D	48.0	0.48	10.2	1.07	1.12	1.15	1.18	1.22	1.30	0.57	0.82	1.21	1.53	2.33	3.03	5.75	121.9
WHA18-1818-051		51.0	0.51	10.6	1.07	1.12	1.15	1.18	1.22	1.30	0.60	0.86	1.28	1.62	2.46	3.21	6.11	129.5
WHA18-1818-054		54.0	0.54	11.0	1.07	1.12	1.15	1.18	1.22	1.30	0.63	0.91	1.35	1.70	2.59	3.38	6.47	137.2
WHA18-1818-057		57.0	0.57	11.4	1.07	1.12	1.15	1.18	1.22	1.30	0.66	0.95	1.41	1.79	2.72	3.55	6.83	144.8
WHA18-1818-060	D	60.0	0.60	11.8	1.07	1.12	1.15	1.18	1.22	1.30	0.69	1.00	1.48	1.87	2.85	3.72	7.19	152.4
WHA18-1818-063		63.0	0.63	12.2	1.07	1.12	1.15	1.18	1.22	1.30	0.72	1.04	1.55	1.96	2.99	3.89	7.55	160.0
WHA18-1818-066		66.0	0.66	12.6	1.07	1.12	1.15	1.18	1.22	1.30	0.75	1.09	1.62	2.04	3.12	4.06	7.91	167.6
WHA18-1818-069		69.0	0.69	13.0	1.07	1.12	1.15	1.18	1.22	1.30	0.78	1.13	1.68	2.13	3.25	4.23	8.27	175.3
WHA18-1818-072		72.0	0.72	13.4	1.07	1.12	1.15	1.18	1.22	1.30	0.81	1.18	1.75	2.21	3.38	4.41	8.63	182.9
WHA18-1818-078		78.0	0.78	14.2	1.07	1.12	1.15	1.18	1.22	1.30	0.87	1.27	1.88	2.39	3.64	4.75	9.35	198.1
WHA18-1818-079		78.7	0.79	14.3	1.07	1.12	1.15	1.18	1.22	1.30	0.88	1.28	1.90	2.41	3.68	4.79	9.44	200.0
WHA18-1818-084		84.0	0.84	15.0	1.07	1.12	1.15	1.18	1.22	1.30	0.93	1.36	2.02	2.56	3.91	5.09	10.07	213.4
WHA18-1818-090		90.0	0.90	15.8	1.07	1.12	1.15	1.18	1.22	1.30	1.00	1.45	2.15	2.73	4.17	5.43	10.79	228.6
WHA18-1818-096		96.0	0.96	16.6	1.07	1.12	1.15	1.18	1.22	1.30	1.06	1.54	2.29	2.90	4.43	5.78	11.50	243.8
WHA18-1818-099		99.0	0.99	17.0	1.07	1.12	1.15	1.18	1.22	1.30	1.09	1.58	2.35	2.98	4.56	5.95	11.87	251.5
WHA18-1818-102		102.0	1.02	17.4	1.07	1.12	1.15	1.18	1.22	1.30	1.12	1.63	2.42	3.07	4.70	6.12	12.22	259.1
WHA18-1818-105		105.0	1.05	17.8	1.07	1.12	1.15	1.18	1.22	1.30	1.15	1.67	2.49	3.16	4.83	6.29	12.58	266.7
WHA18-1818-108		108.0	1.08	18.2	1.07	1.12	1.15	1.18	1.22	1.30	1.18	1.72	2.56	3.24	4.96	6.46	12.94	274.3
WHA18-1818-118		118.1	1.18	19.5	1.07	1.12	1.15	1.18	1.22	1.30	1.28	1.87	2.78	3.53	5.40	7.04	14.15	300.0
WHA18-1818-120		120.0	1.20	19.8	1.07	1.12	1.15	1.18	1.22	1.30	1.30	1.90	2.82	3.58	5.49	7.15	14.38	304.8
WHA18-1818-126		126.0	1.26	20.5	1.07	1.12	1.15	1.18	1.22	1.30	1.36	1.99	2.96	3.75	5.75	7.49	15.10	320.0
WHA18-1818-132		132.0	1.32	21.3	1.07	1.12	1.15	1.18	1.22	1.30	1.42	2.08	3.09	3.92	6.01	7.83	15.82	335.3
WHA18-1818-138		138.0	1.38	22.1	1.07	1.12	1.15	1.18	1.22	1.30	1.48	2.17	3.23	4.10	6.28	8.18	16.54	350.5
WHA18-1818-144		144.0	1.44	22.9	1.07	1.12	1.15	1.18	1.22	1.30	1.55	2.26	3.36	4.27	6.54	8.52	17.26	365.8
WHA18-1818-156		157.5	1.57	24.7	1.10	1.15	1.20	1.25	1.30	1.35	1.68	2.46	3.66	4.65	7.13	9.29	18.87	400.0
WHA18-1818-168		168.0	1.68	26.1	1.10	1.15	1.20	1.25	1.30	1.35	1.79	2.62	3.90	4.95	7.59	9.89	20.13	426.7
WHA18-1818-180		180.0	1.80	27.7	1.10	1.15	1.20	1.25	1.30	1.35	1.91	2.80	4.17	5.29	8.12	10.58	21.57	457.2
WHA18-1818-240		240.0	2.40	35.6	1.10	1.15	1.20	1.25	1.30	1.35	2.52	3.70	5.51	7.00	10.75	14.00	28.76	609.6
WHA18-1818-300		300.0	3.00	43.6	1.10	1.15	1.20	1.25	1.30	1.35	3.13	4.59	6.85	8.71	13.38	17.43	35.95	762.0
WHA18-1818-360		360.0	3.60	51.5	1.10	1.15	1.20	1.25	1.30	1.35	3.74	5.49	8.19	10.42	16.01	20.86	43.14	914.4

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

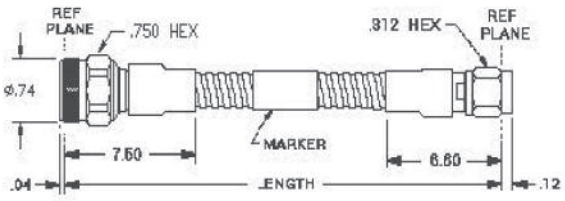
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS -------->	213	145	97	76	49	38
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.03	0.05
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.315	INCHES
MIN. ONE TIME BEND RADIUS:	1.58	INCHES
PREFERRED BEND RADIUS:	6.30	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	HYBRID SMA

TYPE N MALE TO SMA MALE ON ARMORED WORKHORSE® CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	ARMOR, 1500 PSI CRUSH	STAINLESS STEEL
MARKER:	MIL-I-23053/5	WHITE
BOOTS:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
CONNECTOR BODIES:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
THE TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17 OR ADD A "G" TO THE PART NUMBER		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S12 AND S21 CHARACTERISTICS							
PART NUMBER	LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
	INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
WHA18-1836-018	18.0	0.25	5.8	1.07	1.12	1.15	1.18	1.22	1.30	0.28	0.39	0.56	0.70	1.04	1.34	2.16	45.7
WHA18-1836-024	24.0	0.25	6.6	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.48	0.70	0.87	1.31	1.68	2.88	61.0
WHA18-1836-025	25.0	0.25	6.7	1.07	1.12	1.15	1.18	1.22	1.30	0.35	0.50	0.72	0.90	1.35	1.74	3.00	63.5
WHA18-1836-026	26.0	0.26	6.8	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.51	0.74	0.92	1.39	1.80	3.11	66.0
WHA18-1836-027	27.0	0.27	6.9	1.07	1.12	1.15	1.18	1.22	1.30	0.37	0.53	0.76	0.95	1.44	1.86	3.24	68.6
WHA18-1836-028	28.0	0.28	7.1	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.54	0.79	0.98	1.48	1.91	3.35	71.1
WHA18-1836-029	29.0	0.29	7.2	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.56	0.81	1.01	1.52	1.97	3.48	73.7
WHA18-1836-030	30.0	0.30	7.3	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.57	0.83	1.04	1.57	2.03	3.60	76.2
WHA18-1836-031	31.0	0.31	7.5	1.07	1.12	1.15	1.18	1.22	1.30	0.42	0.59	0.85	1.07	1.61	2.08	3.71	78.7
WHA18-1836-032	32.0	0.32	7.6	1.07	1.12	1.15	1.18	1.22	1.30	0.43	0.60	0.88	1.09	1.66	2.14	3.84	81.3
WHA18-1836-033	33.0	0.33	7.7	1.07	1.12	1.15	1.18	1.22	1.30	0.44	0.62	0.90	1.12	1.70	2.20	3.95	83.8
WHA18-1836-034	34.0	0.34	7.9	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.63	0.92	1.15	1.74	2.25	4.08	86.4
WHA18-1836-035	35.0	0.35	8.0	1.07	1.12	1.15	1.18	1.22	1.30	0.46	0.65	0.94	1.18	1.79	2.31	4.19	88.9
WHA18-1836-036	36.0	0.36	8.1	1.07	1.12	1.15	1.18	1.22	1.30	0.47	0.66	0.97	1.21	1.83	2.37	4.31	91.4
WHA18-1836-037	37.0	0.37	8.3	1.07	1.12	1.15	1.18	1.22	1.30	0.48	0.67	0.99	1.24	1.88	2.43	4.43	94.0
WHA18-1836-038	38.0	0.38	8.4	1.07	1.12	1.15	1.18	1.22	1.30	0.49	0.69	1.01	1.27	1.92	2.48	4.55	96.5
WHA18-1836-039	39.4	0.39	8.6	1.07	1.12	1.15	1.18	1.22	1.30	0.50	0.71	1.04	1.30	1.98	2.56	4.72	100.0
WHA18-1836-040	40.0	0.40	8.7	1.07	1.12	1.15	1.18	1.22	1.30	0.51	0.72	1.05	1.32	2.01	2.60	4.79	101.6
WHA18-1836-041	41.0	0.41	8.8	1.07	1.12	1.15	1.18	1.22	1.30	0.52	0.73	1.08	1.35	2.05	2.65	4.91	104.1
WHA18-1836-042	42.0	0.42	8.9	1.07	1.12	1.15	1.18	1.22	1.30	0.53	0.75	1.10	1.38	2.10	2.71	5.03	106.7
WHA18-1836-043	43.0	0.43	9.1	1.07	1.12	1.15	1.18	1.22	1.30	0.54	0.76	1.12	1.41	2.14	2.77	5.15	109.2
WHA18-1836-044	44.0	0.44	9.2	1.07	1.12	1.15	1.18	1.22	1.30	0.55	0.78	1.14	1.44	2.18	2.83	5.27	111.8
WHA18-1836-045	45.0	0.45	9.3	1.07	1.12	1.15	1.18	1.22	1.30	0.56	0.79	1.17	1.47	2.23	2.88	5.39	114.3
WHA18-1836-046	46.0	0.46	9.5	1.07	1.12	1.15	1.18	1.22	1.30	0.57	0.81	1.19	1.49	2.27	2.94	5.51	116.8
WHA18-1836-047	47.0	0.47	9.6	1.07	1.12	1.15	1.18	1.22	1.30	0.58	0.82	1.21	1.52	2.31	3.00	5.63	119.4
WHA18-1836-048	48.0	0.48	9.7	1.07	1.12	1.15	1.18	1.22	1.30	0.59	0.84	1.23	1.55	2.36	3.05	5.75	121.9
WHA18-1836-051	51.0	0.51	10.1	1.07	1.12	1.15	1.18	1.22	1.30	0.62	0.88	1.30	1.64	2.49	3.23	6.11	129.5
WHA18-1836-054	54.0	0.54	10.5	1.07	1.12	1.15	1.18	1.22	1.30	0.65	0.93	1.37	1.72	2.62	3.40	6.47	137.2
WHA18-1836-057	57.0	0.57	10.9	1.07	1.12	1.15	1.18	1.22	1.30	0.68	0.97	1.43	1.81	2.75	3.57	6.83	144.8
WHA18-1836-060	60.0	0.60	11.3	1.07	1.12	1.15	1.18	1.22	1.30	0.71	1.02	1.50	1.89	2.88	3.74	7.19	152.4
WHA18-1836-063	63.0	0.63	11.7	1.07	1.12	1.15	1.18	1.22	1.30	0.74	1.06	1.57	1.98	3.02	3.91	7.55	160.0
WHA18-1836-066	66.0	0.66	12.1	1.07	1.12	1.15	1.18	1.22	1.30	0.77	1.11	1.64	2.06	3.15	4.08	7.91	167.6
WHA18-1836-069	69.0	0.69	12.5	1.07	1.12	1.15	1.18	1.22	1.30	0.80	1.15	1.70	2.15	3.28	4.25	8.27	175.3
WHA18-1836-072	72.0	0.72	12.9	1.07	1.12	1.15	1.18	1.22	1.30	0.83	1.20	1.77	2.23	3.41	4.43	8.63	182.9
WHA18-1836-079	78.7	0.79	13.8	1.07	1.12	1.15	1.18	1.22	1.30	0.90	1.30	1.92	2.43	3.71	4.81	9.44	200.0
WHA18-1836-084	84.0	0.84	14.5	1.07	1.12	1.15	1.18	1.22	1.30	0.95	1.38	2.04	2.58	3.94	5.11	10.07	213.4
WHA18-1836-090	90.0	0.90	15.3	1.07	1.12	1.15	1.18	1.22	1.30	1.02	1.47	2.17	2.75	4.20	5.45	10.79	228.6
WHA18-1836-096	96.0	0.96	16.1	1.07	1.12	1.15	1.18	1.22	1.30	1.08	1.56	2.31	2.92	4.46	5.80	11.50	243.8
WHA18-1836-099	99.0	0.99	16.5	1.07	1.12	1.15	1.18	1.22	1.30	1.11	1.60	2.37	3.00	4.59	5.97	11.87	251.5
WHA18-1836-102	102.0	1.02	16.9	1.07	1.12	1.15	1.18	1.22	1.30	1.14	1.65	2.44	3.09	4.73	6.14	12.22	259.1
WHA18-1836-105	105.0	1.05	17.3	1.07	1.12	1.15	1.18	1.22	1.30	1.17	1.69	2.51	3.18	4.86	6.31	12.58	266.7
WHA18-1836-108	108.0	1.08	17.7	1.07	1.12	1.15	1.18	1.22	1.30	1.20	1.74	2.58	3.26	4.99	6.48	12.94	274.3
WHA18-1836-118	118.1	1.18	19.0	1.07	1.12	1.15	1.18	1.22	1.30	1.30	1.89	2.80	3.55	5.43	7.06	14.15	300.0
WHA18-1836-120	120.0	1.20	19.3	1.07	1.12	1.15	1.18	1.22	1.30	1.32	1.92	2.84	3.60	5.52	7.17	14.38	304.8
WHA18-1836-126	126.0	1.26	20.0	1.07	1.12	1.15	1.18	1.22	1.30	1.38	2.01	2.98	3.77	5.78	7.51	15.10	320.0
WHA18-1836-132	132.0	1.32	20.8	1.07	1.12	1.15	1.18	1.22	1.30	1.44	2.10	3.11	3.94	6.04	7.85	15.82	335.3
WHA18-1836-138	138.0	1.38	21.6	1.07	1.12	1.15	1.18	1.22	1.30	1.50	2.19	3.25	4.12	6.31	8.20	16.54	350.5
WHA18-1836-144	144.0	1.44	22.4	1.07	1.12	1.15	1.18	1.22	1.30	1.57	2.28	3.38	4.29	6.57	8.54	17.26	365.8
WHA18-1836-156	157.5	1.57	24.2	1.10	1.15	1.20	1.25	1.30	1.35	1.70	2.48	3.68	4.67	7.16	9.31	18.87	400.0
WHA18-1836-168	168.0	1.68	25.6	1.10	1.15	1.20	1.25	1.30	1.35	1.81	2.64	3.92	4.97	7.62	9.91	20.13	426.7
WHA18-1836-180	180.0	1.80	27.2	1.10	1.15	1.20	1.25	1.30	1.35	1.93	2.82	4.19	5.31	8.15	10.60	21.57	457.2
WHA18-1836-192	192.0	1.92	28.8	1.10	1.15	1.20	1.25	1.30	1.35	2.05	3.00	4.45	5.66	8.67	11.28	23.01	487.7
WHA18-1836-276	276.0	2.76	39.9	1.10	1.15	1.20	1.25	1.30	1.35	2.91	4.26	6.33	8.05	12.36	16.08	33.07	701.0

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.40	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100	dB MIN.
INSU LATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PU LSE RF POWER:	1250	WATTS

(INTO A 50 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)

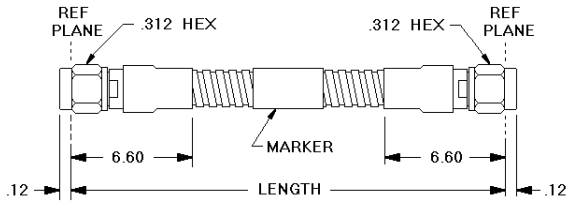
F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	560	360	240	200	130	110
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB →	0.01	0.01	0.01	0.015	0.03	0.05

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4˚ RADIU S

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIU S:	1.00	INCHES
PREFERRED BEND RADIU S:	4.00	INCHES
CONNECTOR RETENTION:	100	POU NDS MIN.
TEMPERATU RE RANGE:	-55 / + 105	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACE:	MIL-STD-348	

SMA MALES ON ARMORED WORKHORSE® CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	ARMOR, 1500 PSI CRU SH	STAINLESS STEEL
MARK ER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSU LATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NU TS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASK ET:	ZZ-R-765 SILICON RU BBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE U SED	

PART NU MBER		LENGTH INCHES	+ - LENGTH	MAX WHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.) U P TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.) U P TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	LENGTH CM
WHA18-3636-024	D	24.0	0.25	6.2	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.48	0.70	0.87	1.31	1.68	61.0
WHA18-3636-025		25.0	0.25	6.3	1.07	1.12	1.15	1.18	1.22	1.30	0.35	0.50	0.72	0.90	1.35	1.74	63.5
WHA18-3636-026		26.0	0.26	6.4	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.51	0.74	0.92	1.39	1.80	66.0
WHA18-3636-027		27.0	0.27	6.5	1.07	1.12	1.15	1.18	1.22	1.30	0.37	0.53	0.76	0.95	1.44	1.85	68.6
WHA18-3636-028		28.0	0.28	6.7	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.54	0.79	0.98	1.48	1.91	71.1
WHA18-3636-029		29.0	0.29	6.8	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.56	0.81	1.01	1.52	1.97	73.7
WHA18-3636-030	D	30.0	0.30	6.9	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.57	0.83	1.04	1.57	2.02	76.2
WHA18-3636-031		31.0	0.31	7.1	1.07	1.12	1.15	1.18	1.22	1.30	0.42	0.59	0.85	1.07	1.61	2.08	78.7
WHA18-3636-032		32.0	0.32	7.2	1.07	1.12	1.15	1.18	1.22	1.30	0.43	0.60	0.88	1.09	1.66	2.14	81.3
WHA18-3636-033		33.0	0.33	7.3	1.07	1.12	1.15	1.18	1.22	1.30	0.44	0.62	0.90	1.12	1.70	2.19	83.8
WHA18-3636-034		34.0	0.34	7.5	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.63	0.92	1.15	1.74	2.25	86.4
WHA18-3636-035		35.0	0.35	7.6	1.07	1.12	1.15	1.18	1.22	1.30	0.46	0.65	0.94	1.18	1.79	2.31	88.9
WHA18-3636-036	D	36.0	0.36	7.7	1.07	1.12	1.15	1.18	1.22	1.30	0.47	0.66	0.97	1.21	1.83	2.37	91.4
WHA18-3636-037		37.0	0.37	7.9	1.07	1.12	1.15	1.18	1.22	1.30	0.48	0.67	0.99	1.24	1.88	2.42	94.0
WHA18-3636-038		38.0	0.38	8.0	1.07	1.12	1.15	1.18	1.22	1.30	0.49	0.69	1.01	1.27	1.92	2.48	96.5
WHA18-3636-039	D	39.4	0.39	8.2	1.07	1.12	1.15	1.18	1.22	1.30	0.50	0.71	1.04	1.30	1.98	2.56	100.0
WHA18-3636-040		40.0	0.40	8.3	1.07	1.12	1.15	1.18	1.22	1.30	0.51	0.72	1.05	1.32	2.01	2.59	101.6
WHA18-3636-041		41.0	0.41	8.4	1.07	1.12	1.15	1.18	1.22	1.30	0.52	0.73	1.08	1.35	2.05	2.65	104.1
WHA18-3636-042		42.0	0.42	8.5	1.07	1.12	1.15	1.18	1.22	1.30	0.53	0.75	1.10	1.38	2.10	2.71	106.7
WHA18-3636-043		43.0	0.43	8.7	1.07	1.12	1.15	1.18	1.22	1.30	0.54	0.76	1.12	1.41	2.14	2.76	109.2
WHA18-3636-044		44.0	0.44	8.8	1.07	1.12	1.15	1.18	1.22	1.30	0.55	0.78	1.14	1.44	2.18	2.82	111.8
WHA18-3636-045		45.0	0.45	8.9	1.07	1.12	1.15	1.18	1.22	1.30	0.56	0.79	1.17	1.47	2.23	2.88	114.3
WHA18-3636-046		46.0	0.46	9.1	1.07	1.12	1.15	1.18	1.22	1.30	0.57	0.81	1.19	1.49	2.27	2.94	116.8
WHA18-3636-047		47.0	0.47	9.2	1.07	1.12	1.15	1.18	1.22	1.30	0.58	0.82	1.21	1.52	2.31	2.99	119.4
WHA18-3636-048	D	48.0	0.48	9.3	1.07	1.12	1.15	1.18	1.22	1.30	0.59	0.84	1.23	1.55	2.36	3.05	121.9
WHA18-3636-051		51.0	0.51	9.7	1.07	1.12	1.15	1.18	1.22	1.30	0.62	0.88	1.30	1.64	2.49	3.22	129.5
WHA18-3636-054		54.0	0.54	10.1	1.07	1.12	1.15	1.18	1.22	1.30	0.65	0.93	1.37	1.72	2.62	3.39	137.2
WHA18-3636-057		57.0	0.57	10.5	1.07	1.12	1.15	1.18	1.22	1.30	0.68	0.97	1.43	1.81	2.75	3.56	144.8
WHA18-3636-060	D	60.0	0.60	10.9	1.07	1.12	1.15	1.18	1.22	1.30	0.71	1.02	1.50	1.89	2.88	3.73	152.4
WHA18-3636-063		63.0	0.63	11.3	1.07	1.12	1.15	1.18	1.22	1.30	0.74	1.06	1.57	1.98	3.02	3.91	160.0
WHA18-3636-066		66.0	0.66	11.7	1.07	1.12	1.15	1.18	1.22	1.30	0.77	1.11	1.64	2.06	3.15	4.08	167.6
WHA18-3636-069		69.0	0.69	12.1	1.07	1.12	1.15	1.18	1.22	1.30	0.80	1.15	1.70	2.15	3.28	4.25	175.3
WHA18-3636-072	D	72.0	0.72	12.5	1.07	1.12	1.15	1.18	1.22	1.30	0.83	1.20	1.77	2.23	3.41	4.42	182.9
WHA18-3636-079		78.7	0.79	13.4	1.07	1.12	1.15	1.18	1.22	1.30	0.90	1.30	1.92	2.43	3.71	4.80	200.0
WHA18-3636-084		84.0	0.84	14.1	1.07	1.12	1.15	1.18	1.22	1.30	0.95	1.38	2.04	2.58	3.94	5.10	213.4
WHA18-3636-090		90.0	0.90	14.9	1.07	1.12	1.15	1.18	1.22	1.30	1.02	1.47	2.17	2.75	4.20	5.45	228.6
WHA18-3636-096	D	96.0	0.96	15.7	1.07	1.12	1.15	1.18	1.22	1.30	1.08	1.56	2.31	2.92	4.46	5.79	243.8
WHA18-3636-099		99.0	0.99	16.1	1.07	1.12	1.15	1.18	1.22	1.30	1.11	1.60	2.37	3.00	4.59	5.96	251.5
WHA18-3636-102		102.0	1.02	16.5	1.07	1.12	1.15	1.18	1.22	1.30	1.14	1.65	2.44	3.09	4.73	6.13	259.1
WHA18-3636-105		105.0	1.05	16.9	1.07	1.12	1.15	1.18	1.22	1.30	1.17	1.69	2.51	3.18	4.86	6.30	266.7
WHA18-3636-108		108.0	1.08	17.3	1.07	1.12	1.15	1.18	1.22	1.30	1.20	1.74	2.58	3.26	4.99	6.47	274.3
WHA18-3636-118		118.1	1.18	18.6	1.07	1.12	1.15	1.18	1.22	1.30	1.30	1.89	2.80	3.55	5.43	7.05	300.0
WHA18-3636-120	D	120.0	1.20	18.9	1.07	1.12	1.15	1.18	1.22	1.30	1.32	1.92	2.84	3.60	5.52	7.16	304.8
WHA18-3636-126		126.0	1.26	19.6	1.07	1.12	1.15	1.18	1.22	1.30	1.38	2.01	2.98	3.77	5.78	7.50	320.0
WHA18-3636-132		132.0	1.32	20.4	1.07	1.12	1.15	1.18	1.22	1.30	1.44	2.10	3.11	3.94	6.04	7.84	335.3
WHA18-3636-138		138.0	1.38	21.2	1.07	1.12	1.15	1.18	1.22	1.30	1.50	2.19	3.25	4.12	6.31	8.18	350.5
WHA18-3636-144	D	144.0	1.44	22.0	1.07	1.12	1.15	1.18	1.22	1.30	1.57	2.28	3.38	4.29	6.57	8.53	365.8
WHA18-3636-156		157.5	1.57	23.8	1.10	1.15	1.20	1.25	1.30	1.35	1.70	2.48	3.68	4.67	7.16	9.29	400.0
WHA18-3636-168		168.0	1.68	25.2	1.10	1.15	1.20	1.25	1.30	1.35	1.81	2.64	3.92	4.97	7.62	9.89	426.7
WHA18-3636-180		180.0	1.80	26.8	1.10	1.15	1.20	1.25	1.30	1.35	1.93	2.82	4.19	5.31	8.15	10.58	457.2

MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M PLU S MEASU RING SY STEM U NCERTAINTY .

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY .

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50 OHMS
CAPACITANCE NOMINAL:	29.40 pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %
RELATIVE SHIELDING:	-100 dB MIN.
INSULATION RESISTANCE:	1000 MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44 ns /FOOT
ELECTRICAL DELAY NOMINAL:	120 ps /INCH
PULSE RF POWER:	1250 WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

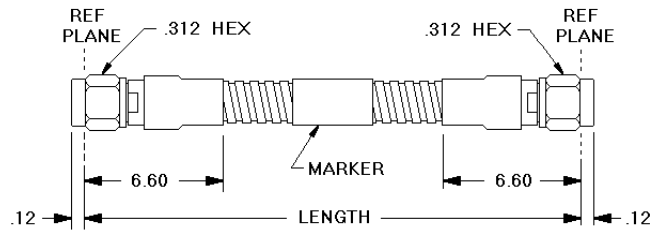
F (IN GHz)→	1	2	4	12	18	26.5
MAX. CW WATTS →	560	360	240	130	110	90
PHASE STABILITY DEG.	0.3	0.6	1.2	3.6	5.4	8.0
LOSS STABILITY dB →	0.01	0.01	0.01	0.03	0.05	0.08

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4˚ RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200 INCHES
MIN. ONE TIME BEND RADIUS:	1.00 INCHES
PREFERRED BEND RADIUS:	4.00 INCHES
CONNECTOR RETENTION:	100 POUNDS MIN.
TEMPERATURE RANGE:	-55 / + 105 DEGREES C
MATING TORQUE:	7-10 INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348 HYBRID SMA

26.5 GHz SMA MALES ON ARMORED WORKHORSE® CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389-FEP	BROWN TINT
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	± LENGTH	MAX WHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	
WHA26-3636-024	D	24.0	0.25	6.2	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.69	0.87	1.29	1.66	2.13	61.0
WHA26-3636-025		25.0	0.25	6.3	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.71	0.90	1.33	1.72	2.21	63.5
WHA26-3636-026		26.0	0.26	6.4	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.73	0.92	1.37	1.78	2.28	66.0
WHA26-3636-027		27.0	0.27	6.5	1.10	1.15	1.20	1.25	1.30	1.35	0.53	0.75	0.95	1.42	1.83	2.35	68.6
WHA26-3636-028		28.0	0.28	6.7	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.78	0.98	1.46	1.89	2.43	71.1
WHA26-3636-029		29.0	0.29	6.8	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.80	1.01	1.50	1.95	2.50	73.7
WHA26-3636-030		30.0	0.30	6.9	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.04	1.55	2.00	2.57	76.2
WHA26-3636-031		31.0	0.31	7.1	1.10	1.15	1.20	1.25	1.30	1.35	0.59	0.84	1.07	1.59	2.06	2.65	78.7
WHA26-3636-032		32.0	0.32	7.2	1.10	1.15	1.20	1.25	1.30	1.35	0.60	0.87	1.09	1.64	2.12	2.72	81.3
WHA26-3636-033		33.0	0.33	7.3	1.10	1.15	1.20	1.25	1.30	1.35	0.62	0.89	1.12	1.68	2.17	2.80	83.8
WHA26-3636-034		34.0	0.34	7.5	1.10	1.15	1.20	1.25	1.30	1.35	0.63	0.91	1.15	1.72	2.23	2.87	86.4
WHA26-3636-035		35.0	0.35	7.6	1.10	1.15	1.20	1.25	1.30	1.35	0.65	0.93	1.18	1.77	2.29	2.94	88.9
WHA26-3636-036	D	36.0	0.36	7.7	1.10	1.15	1.20	1.25	1.30	1.35	0.66	0.96	1.21	1.81	2.35	3.02	91.4
WHA26-3636-037		37.0	0.37	7.9	1.10	1.15	1.20	1.25	1.30	1.35	0.67	0.98	1.24	1.86	2.40	3.09	94.0
WHA26-3636-038		38.0	0.38	8.0	1.10	1.15	1.20	1.25	1.30	1.35	0.69	1.00	1.27	1.90	2.46	3.17	96.5
WHA26-3636-039		39.4	0.39	8.2	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.03	1.30	1.96	2.54	3.27	100.0
WHA26-3636-040		40.0	0.40	8.3	1.10	1.15	1.20	1.25	1.30	1.35	0.72	1.04	1.32	1.99	2.57	3.31	101.6
WHA26-3636-041		41.0	0.41	8.4	1.10	1.15	1.20	1.25	1.30	1.35	0.73	1.07	1.35	2.03	2.63	3.39	104.1
WHA26-3636-042		42.0	0.42	8.5	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.09	1.38	2.08	2.69	3.46	106.7
WHA26-3636-043		43.0	0.43	8.7	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.11	1.41	2.12	2.74	3.54	109.2
WHA26-3636-044		44.0	0.44	8.8	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.13	1.44	2.16	2.80	3.61	111.8
WHA26-3636-045		45.0	0.45	8.9	1.10	1.15	1.20	1.25	1.30	1.35	0.79	1.16	1.47	2.21	2.86	3.68	114.3
WHA26-3636-046		46.0	0.46	9.1	1.10	1.15	1.20	1.25	1.30	1.35	0.81	1.18	1.49	2.25	2.92	3.76	116.8
WHA26-3636-047		47.0	0.47	9.2	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.20	1.52	2.29	2.97	3.83	119.4
WHA26-3636-048	D	48.0	0.48	9.3	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.22	1.55	2.34	3.03	3.91	121.9
WHA26-3636-051		51.0	0.51	9.7	1.10	1.15	1.20	1.25	1.30	1.35	0.88	1.29	1.64	2.47	3.20	4.13	129.5
WHA26-3636-054		54.0	0.54	10.1	1.10	1.15	1.20	1.25	1.30	1.35	0.93	1.36	1.72	2.60	3.37	4.35	137.2
WHA26-3636-057		57.0	0.57	10.5	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.42	1.81	2.73	3.54	4.57	144.8
WHA26-3636-060		60.0	0.60	10.9	1.10	1.15	1.20	1.25	1.30	1.35	1.02	1.49	1.89	2.86	3.71	4.79	152.4
WHA26-3636-063		63.0	0.63	11.3	1.10	1.15	1.20	1.25	1.30	1.35	1.06	1.56	1.98	3.00	3.89	5.01	160.0
WHA26-3636-066		66.0	0.66	11.7	1.10	1.15	1.20	1.25	1.30	1.35	1.11	1.63	2.06	3.13	4.06	5.24	167.6
WHA26-3636-069		69.0	0.69	12.1	1.10	1.15	1.20	1.25	1.30	1.35	1.15	1.69	2.15	3.26	4.23	5.46	175.3
WHA26-3636-072	D	72.0	0.72	12.5	1.10	1.15	1.20	1.25	1.30	1.35	1.20	1.76	2.23	3.39	4.40	5.68	182.9
WHA26-3636-079		78.7	0.79	13.4	1.10	1.15	1.20	1.25	1.30	1.35	1.30	1.91	2.43	3.69	4.78	6.18	200.0
WHA26-3636-084		84.0	0.84	14.1	1.10	1.15	1.20	1.25	1.30	1.35	1.38	2.03	2.58	3.92	5.08	6.57	213.4
WHA26-3636-090		90.0	0.90	14.9	1.10	1.15	1.20	1.25	1.30	1.35	1.47	2.16	2.75	4.18	5.43	7.01	228.6
WHA26-3636-096		96.0	0.96	15.7	1.10	1.15	1.20	1.25	1.30	1.35	1.56	2.30	2.92	4.44	5.77	7.45	243.8
WHA26-3636-099		99.0	0.99	16.1	1.10	1.15	1.20	1.25	1.30	1.35	1.60	2.36	3.00	4.57	5.94	7.67	251.5
WHA26-3636-102		102.0	1.02	16.5	1.10	1.15	1.20	1.25	1.30	1.35	1.65	2.43	3.09	4.71	6.11	7.90	259.1
WHA26-3636-105		105.0	1.05	16.9	1.10	1.15	1.20	1.25	1.30	1.35	1.69	2.50	3.18	4.84	6.28	8.12	266.7
WHA26-3636-108		108.0	1.08	17.3	1.10	1.15	1.20	1.25	1.30	1.35	1.74	2.57	3.26	4.97	6.45	8.34	274.3
WHA26-3636-118		118.1	1.18	18.6	1.10	1.15	1.20	1.25	1.30	1.35	1.89	2.79	3.55	5.41	7.03	9.09	300.0
WHA26-3636-120		120.0	1.20	18.9	1.10	1.15	1.20	1.25	1.30	1.35	1.92	2.83	3.60	5.50	7.14	9.23	304.8
WHA26-3636-126		126.0	1.26	19.6	1.10	1.15	1.20	1.25	1.30	1.35	2.01	2.97	3.77	5.76	7.48	9.67	320.0
WHA26-3636-132		132.0	1.32	20.4	1.10	1.15	1.20	1.25	1.30	1.35	2.10	3.10	3.94	6.02	7.82	10.11	335.3
WHA26-3636-138		138.0	1.38	21.2	1.10	1.15	1.20	1.25	1.30	1.35	2.19	3.24	4.12	6.29	8.16	10.56	350.5
WHA26-3636-144		144.0	1.44	22.0	1.10	1.15	1.20	1.25	1.30	1.35	2.28	3.37	4.29	6.55	8.51	11.00	365.8
WHA26-3636-156		157.5	1.57	23.8	1.15	1.20	1.25	1.30	1.35	1.45	2.48	3.67	4.67	7.14	9.27	12.00	400.0
WHA26-3636-168		168.0	1.68	25.2	1.15	1.20	1.25	1.30	1.35	1.45	2.64	3.91	4.97	7.60	9.87	12.77	426.7
WHA26-3636-180		180.0	1.80	26.8	1.15	1.20	1.25	1.30	1.35	1.45	2.82	4.18	5.31	8.13	10.56	13.66	457.2

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

FOR ADDITIONAL CATALOGS
CALL "THE CATALOG REQUEST LINE"
1-800-362-3539

CALL 1-800-362-FLEX
FOR ADDITIONAL INFORMATION

CHECK OUT TENSOLITE'S WEB SITE:
www.tensolite.com

EMAIL US AT rfmicrowave@tensolite.com

FAX: 360-759-4016

WORKHORSE® 40 ARMORED CABLE

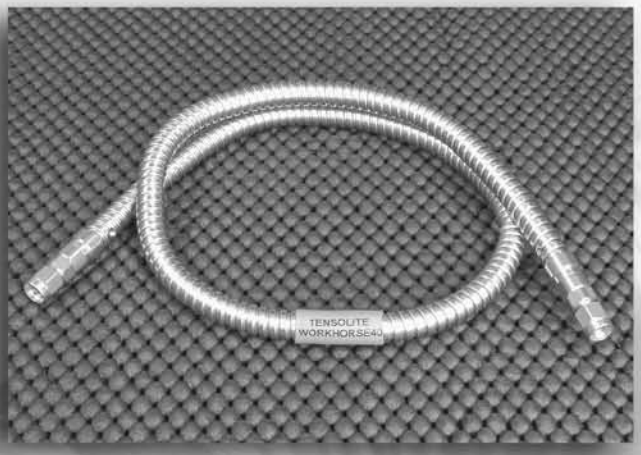
The Tensolite "Workhorse 40" Armored Cable Assembly is designed to perform in high volume, strenuous test environments. Its rugged design provides protection from wear and tear reducing the need for costly replacement test cables.

Tensolite's years of assembly experience combined with a demand for lower cost production solutions resulted in the development of the "Workhorse 40".

The "Workhorse 40" utilizes a new Tensolite 40 GHz cable encased in a stainless steel, crush resistant armor. This new cable provides low loss and low VSWR, while maintaining phase stability.

Tensolite designed "SMK"(2.92) tough stainless steel connectors combined with the Tensolite 40 GHz cable deliver more tests with maximum accuracy and repeatability.

The "Workhorse 40" Armored assembly will stand the test of time!



Typical VSWR 1.35:1 @ 40 GHz
Typical Loss 2dB per foot, Assembly
Temperature Rating -50°C to +105°C

Intended Applications:

High Volume Test Lab
Vector Network Analyzer
Calibration
Antenna Range
Custom Applications

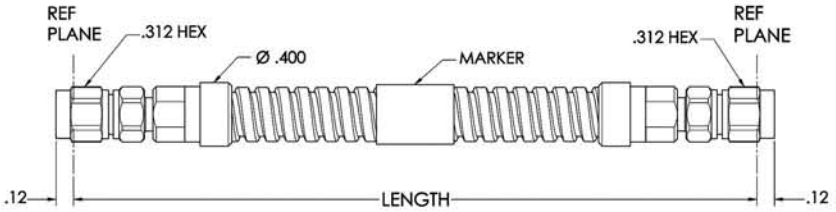
WORKHORSE® 40 ARMORED CABLE

Technical Data Sheet

2.92MM males on 40GHz Workhorse® Cable

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.0	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.5	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1069	VRMS MAX.	
ELECTRICAL DELAY, NOMINAL:				1.44	ns/FOOT	
ELECTRICAL DELAY, NOMINAL:				120	ps/INCH	
F (IN GHz) ---------->	2	6	12	18	26	40
MAX. CW WATTS -------->	54	30	20	16	12	9

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.350	INCHES
MINIMUM BEND RADIUS:	2.10	INCHES
CONNECTOR RETENTION:	60	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	IEEE-STD-287	



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
ARMOR:	STAINLESS STEEL STRIP	NONE
CONTACTS:	ASTM-B196, BeCu C173	ASTM B-488, GOLD PLATED
BEAD:	NORYL	NONE
BODY CABLE ENTRY:	ASTM-A-582, 303 STAINLESS STEEL	ASTM A-967, PASSIVATED
BODY:	ASTM-A-582, 303 STAINLESS STEEL	ASTM A-967, PASSIVATED
NUT:	ASTM-A-582, 303 STAINLESS STEEL	ASTM A-967, PASSIVATED
RETAINING RING:	ASTM-B196, BeCu C173	NONE
AVAILABLE GASKET:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 2	2 TO 6	6 TO 12	12 TO 18	18 TO 26	26 TO 40	UP TO 2	2 TO 6	6 TO 12	12 TO 18	18 TO 26	26 TO 40	
WHA40-K6K6-0 24	S	24.0	0.25	4.5	1.08	1.12	1.20	1.25	1.32	1.35	0.75	1.35	2.01	2.57	3.22	4.39	61.0
WHA40-K6K6-0 30		30.0	0.30	4.6	1.08	1.12	1.20	1.25	1.32	1.35	0.91	1.65	2.45	3.14	3.94	5.33	76.2
WHA40-K6K6-0 36	S	36.0	0.36	4.8	1.08	1.12	1.20	1.25	1.32	1.35	1.07	1.95	2.90	3.71	4.65	6.28	91.4
WHA40-K6K6-0 42		42.0	0.42	4.9	1.08	1.12	1.20	1.25	1.32	1.35	1.23	2.25	3.35	4.28	5.37	7.22	106.7
WHA40-K6K6-0 48	S	48.0	0.48	5.1	1.08	1.12	1.20	1.25	1.32	1.35	1.39	2.55	3.79	4.85	6.08	8.16	121.9
WHA40-K6K6-0 54		54.0	0.54	5.2	1.12	1.15	1.23	1.28	1.33	1.38	1.56	2.84	4.24	5.42	6.80	9.11	137.2
WHA40-K6K6-0 60		60.0	0.60	5.4	1.12	1.15	1.23	1.28	1.33	1.38	1.72	3.14	4.69	5.99	7.52	10.05	152.4
WHA40-K6K6-0 66		66.0	0.66	5.5	1.12	1.15	1.23	1.28	1.33	1.38	1.88	3.44	5.13	6.56	8.23	10.99	167.6
WHA40-K6K6-0 72		72.0	0.72	5.7	1.12	1.15	1.23	1.28	1.33	1.38	2.04	3.74	5.58	7.13	8.95	11.94	182.9
WHA40-K6K6-0 78		78.0	0.78	5.9	1.12	1.15	1.23	1.28	1.33	1.38	2.20	4.04	6.03	7.70	9.67	12.88	198.1
WHA40-K6K6-0 84		84.0	0.84	6.0	1.12	1.15	1.23	1.28	1.33	1.38	2.36	4.33	6.47	8.27	10.38	13.82	213.4
WHA40-K6K6-0 90		90.0	0.90	6.2	1.12	1.15	1.23	1.28	1.33	1.38	2.53	4.63	6.92	8.84	11.10	14.77	228.6
WHA40-K6K6-0 96		96.0	0.96	6.3	1.12	1.15	1.23	1.28	1.33	1.38	2.69	4.93	7.36	9.41	11.81	15.71	243.8
WHA40-K6K6-1 20		120.0	1.20	6.9	1.13	1.18	1.25	1.31	1.36	1.41	3.33	6.12	9.15	11.69	14.68	19.48	304.8

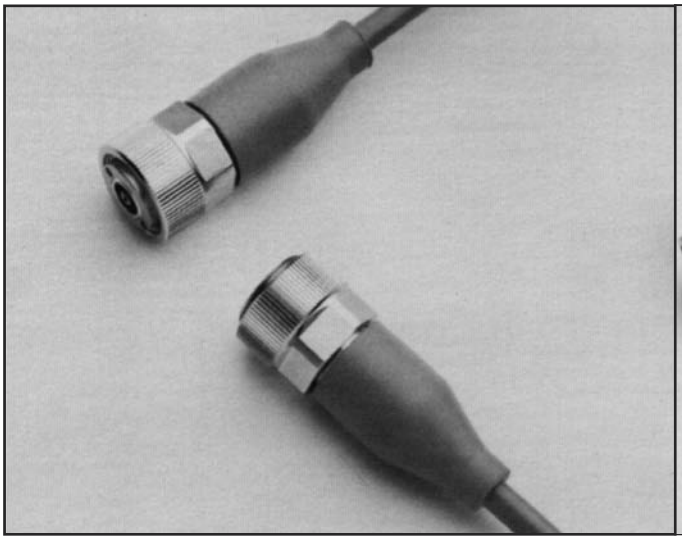
S = STANDARD ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

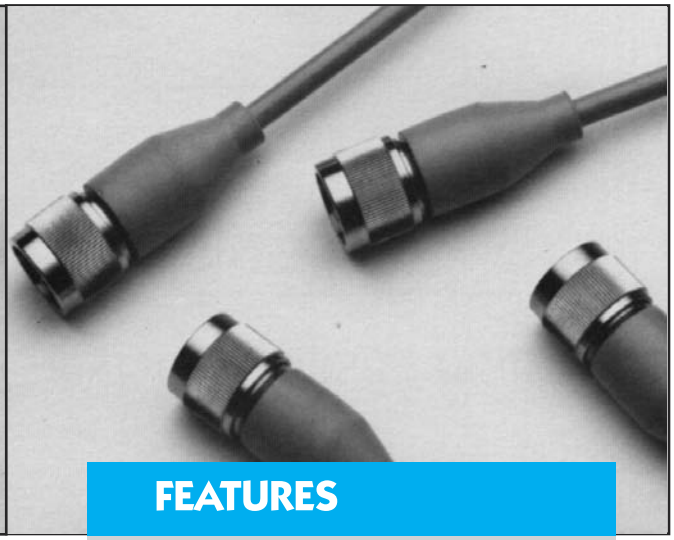
NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TS1818 SERIES
TS7878 SERIES
TEST EQUIPMENT REPLACEMENT CABLES





DESCRIPTION

The TS series of flexible cable assemblies is equivalent to the cables that Tensolite supplies to the test and measurement industry.

They offer the same reliable construction and repeatable performance as the original test cables. The TS series is built and tested under rigid quality controlled conditions to meet testing standards.

Cables may be purchased in sets or individually. Phase matching is maintained because all cables are matched to a laboratory standard in accordance with the OEM specification.

FEATURES

- DC to 6.0 GHz
  6 to 18.0 GHz
- OEM design equivalent
- Phase matched to a laboratory standard
- Available as sets or individually
- 24-hour delivery
- May be used with other manufacturers test equipment

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING PARALLEL TO CHING 24 IN:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY NOMINAL:				1.44	ns /FOOT	
ELECTRICAL DELAY NOMINAL:				120	ps /INCH	
PULSE RF POWER:				1250	WATTS MAX.	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	50	35	22	17	6	4
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB→	0.01	0.01	0.01	0.015	0.03	0.05
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS						

Cables are manufactured as matched sets or matched to laboratory standards.
Cables maintain network analyzer compatible characteristics during product life
when formed up to 180 degrees at a 4 inch (2.5 inch for TS1818-07) or greater radius.

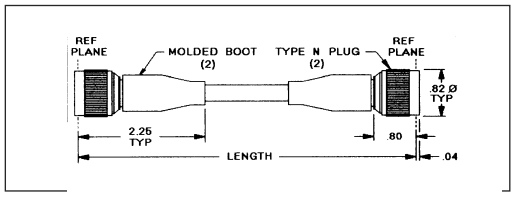
MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.220	INCHES
MIN. ONE TIME BEND RADIUS:	1.50	INCHES
FLEXED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-13 TO + 33	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348(N)	IEEE 287 (7MM)

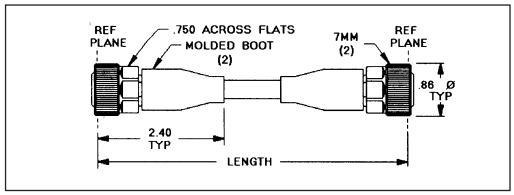
MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	PVC	GRAY
MARKING:	–	BLACK
BOOTS:	RUBBER COMPOUND	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
7 MM INSULATORS	PTFE COMPOSITE	NONE
CONNECTOR BODY	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
7 MM CONNECTOR BODY	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED
THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17.		
SOLVENTS:	NO OZONE DEPLETING MATERIALS USED	

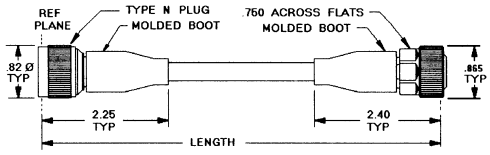
TS SERIES CABLE ASSEMBLIES



TS1818 CONFIGURATION



TS7878 CONFIGURATION



TS1878 CONFIGURATION

OTHER AVAILABLE CONFIGURATIONS:				
CONN. 1	CONN. 2	LENGTH	PART NUMBER	PRODUCT SPECIFICATIONS
N MALE	7MM	24	TS1878-24	SEE TS1818-24 ABOVE
N MALE	7MM	34	TS1878-34	SEE TS1818-34 ABOVE
7MM	7MM	34	TS7878-34	SEE TS1818-34 ABOVE

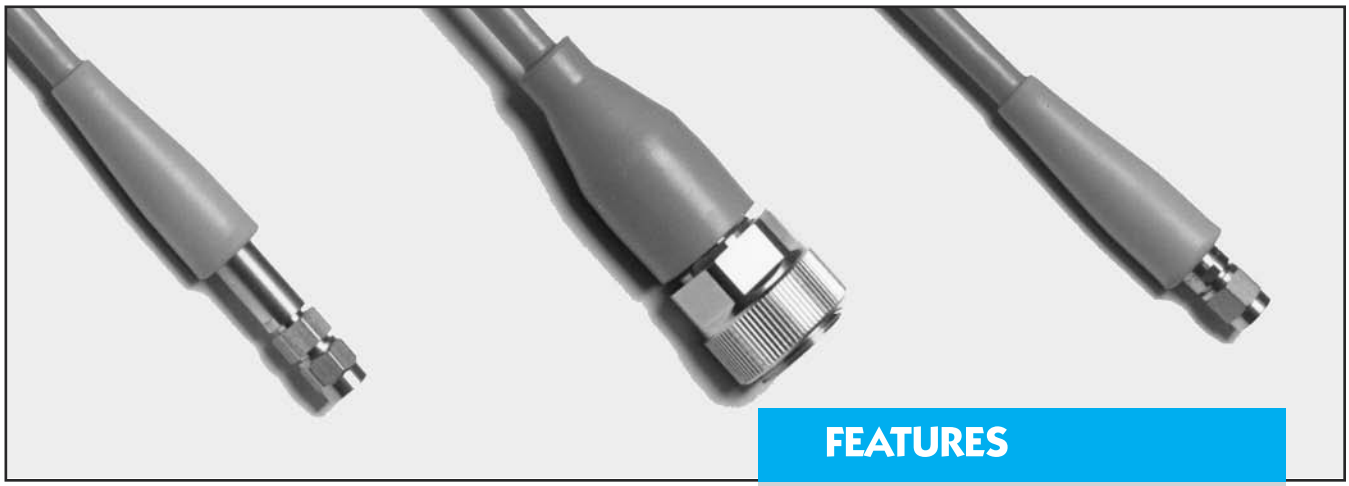
PART NUMBER	CONN	LENGTH INCHES	LENGTH	MAX.WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 3	3 TO 6	6 TO 12 REF.	12 TO 18 REF.	UP TO 1	1 TO 2	2 TO 3	3 TO 6	6 TO 12 REF.	12 TO 18 REF.	
TS1818-07	N	7.5	0.38	4.3	1.07	1.10	1.13	1.18	1.25	–	0.16	0.21	0.27	0.38	0.55	–	19.1
TS1818-07S	N 4-7.5 INCH CABLES				–	–	–	–	–	–	–	–	–	–	–	–	–
TS1818-24	N	24.0	1.20	5.3	1.07	1.10	1.13	1.18	1.25	–	0.32	0.46	0.58	0.85	1.28	–	61.0
TSA1818-34	N	24	1.20	5.3	1.06	1.06	1.06			–	0.32	0.46	0.58	0.85	1.28	–	61.0
TS1818-34	N	34.0	1.70	5.8	1.07	1.10	1.13	1.18	1.25	–	0.43	0.61	0.77	1.13	1.71	–	86.4
TS1818-STR	SET 3-24 AND 1-34 INCH CABLES				–	–	–	–	–	–	–	–	–	–	–	–	–
TS7878-24	7MM	24.0	1.20	5.3	1.07	1.10	1.12	1.16	1.22	1.30	0.32	0.46	0.58	0.85	1.28	1.66	61.0
TS7878-STS	7MM 2-24 INCH CABLES				–	–	–	–	–	–	–	–	–	–	–	–	–

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.
SPECIFICATIONS FROM 6 THRU 18 GHz ARE NOT VERIFIED AND ARE FOR REFERENCE ONLY.

CONN	LENGTH	ORDER TENSOLITE PART NUMBER
N	24,34	TS1818-STR (SET OF 3-24, 1-34)
7MM	24	TS7878-STS (SET OF 2-7MM)
7MM	24	TS7878-24
N	34	TS1818-34
N	24	TS1818-24
N	8	TS1818-07
N	7.5	TS1818-07S (SET OF 4-7.5)
N	24	TSA1818-24V

TS1818-STR IS A SET OF 3-24 INCH AND 1-34 INCH TYPE N CABLES USED TO INTERCONNECT TRANSMISSION REFLECTION TEST SETS AND POWER SPLITTERS
TS7878-STS IS A SET OF 2 MATCHED 24 INCH 7MM CABLES USED AS TEST PORT EXTENSION CABLES ON TRANSMISSION REFLECTION AND S PARAMETER TEST SETS.
TSA1818-24V IS A LOW VSWR (<-30 dB return loss) 24 INCH TYPE N CABLE
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.
PRODUCT INFORMATION AVAILABLE ON OUR WEB PAGE @ http://www.tensolite.com

SMA "KU" & "K", TYPE N "KU" & 3.5MM "K" SERIES CABLE ASSEMBLIES



DESCRIPTION

Tensolite's "KU" and "K" series cable assemblies are designed for ruggedness and long life. Constructed using our "504" high performance cable, with an abrasion resistant outer jacket and boots and Tensolite's own captive contact and high frequency connectors, these assemblies exhibit superior electrical characteristics DC to 18.0 or DC to 26.5 GHz. Our proven **TRI-SYSTEM** method of connector attachment ensures reliable operation time after time.

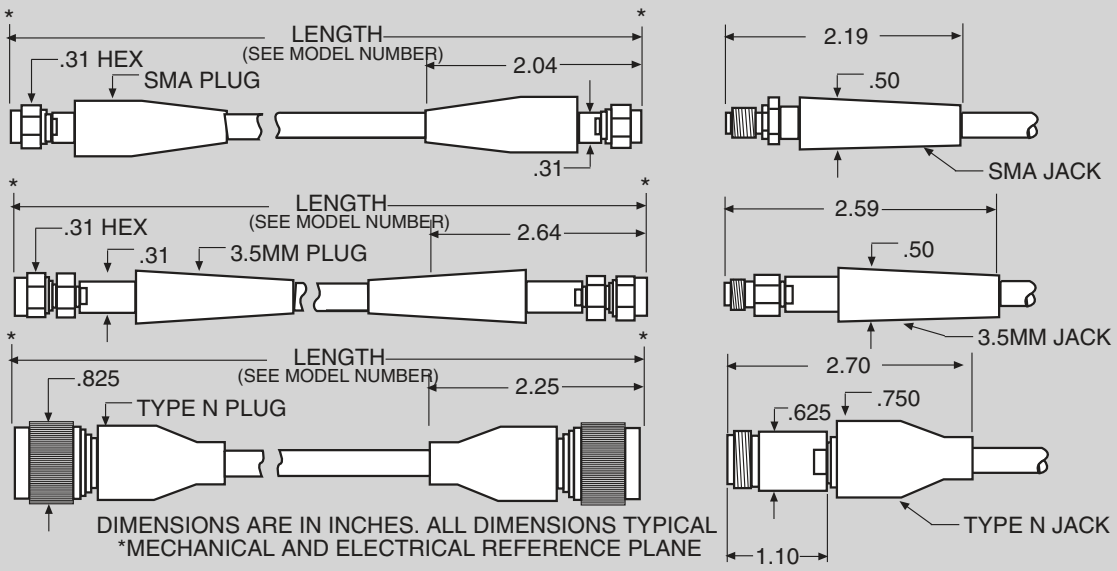
APPLICATIONS

The "KU" and "K" series enhance system value when shipped with your test equipment. They also make excellent replacement test port extension cables for the laboratory. Use these cables where superior electrical performance and/or appearance are a concern.

- OEM test equipment
- Aftermarket test port extension cables
- EMI/RFI sensitive testing

FEATURES

- DC to 18.0 GHz and DC to 26.5 GHz operation
- Triple shielded, high performance flexible cable
- High frequency, captive contact connectors
- Rugged TRI-SYSTEM method of connector attachment
- Superior electrical characteristics
- Durable, abrasion resistant, aesthetic outer jacket and strain relief boots



MECHANICAL SPECIFICATIONS:

Connectors:

- Finish: Passivated stainless steel.
- Contacts: Gold plated beryllium copper.
- Dielectric: SMA & Type N: PTFE.
  3.5MM: Air
- See our 26.5 GHz "Hybrid" SMA and 18.0 GHz Type N product feature bulletins for more detailed information.

Cable:

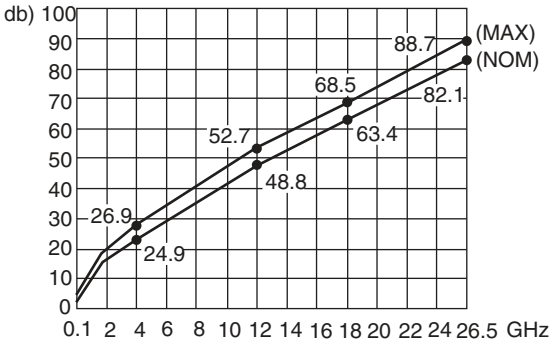
- Center conductor: .037 silver plated copper clad steel.
- Dielectric: .117 extruded PTFE
- Outer conductor: Silver plated copper strip braid, foil interlayer, and silver plated copper wire braid.
- Outer jacket: .250 abrasion resistance sleeve over .195 FEP.
- Minimum bend radius: 1.0" one time.
  4.0" constant flexing.
- See our 504 high performance cable feature bulletin for more detailed information.

Attachment Method:

- **TRI-SYSTEM:** Solder, clamp, epoxy potting. Strain relief boot cover.
- Connector retention: 90 lbs. minimum.

ELECTRICAL SPECIFICATIONS:

Cable **ONLY**, insertion loss (per 100 ft).



Cable **ASSEMBLY** specifications (≤12 ft. long):

• VSWR (max):	18 GHz	26.5 GHz
SMA's:	1.30:1	1.35:1
Type N's	1.30:1	N/A
3.5MM's	N/A	1.35:1

- Phase stability while moving and/or at rest (ten, 180° bends to a 4.0" radius):

Typical	Maximum
± 0.5° @ 2.0 GHz	± 1.0° @ 2.0 GHz
± 2.0° @ 10.0 GHz	± 3.0° @ 10.0 GHz
± 3.0° @ 18.0 GHz	± 5.0° @ 18.0 GHz
± 5.0° @ 26.5 GHz	± 7.0° @ 26.5 GHz

- Relative shielding: < -100 db.
- Velocity of propagation: 70.7%.
- Power handling: 110 watts (sea level).
- Delay: 1.44 ns/ft.
- Impedance: 50 ohms nominal.
- Operating temperature range: -13°C to +33°C.

How to order: Selected lengths and connector configurations in stock. Other lengths may be specified:

XX XXXX - XXX ← Length in whole inches.

(SMA & Type N) "KU" = 18.0 GHz.
(SMA & 3.5MM) "K" = 26.5 GHz.

1818 = Type N plugs. 1820 = plug/jack.
3636 = SMA plugs. 3638 = plug/jack.
7272 = 3.5MM plugs. 7274 = plug/jack.

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSU LATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PU LSE RF POWER:	1250	WATTS

(INTO A 50 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	12	18
MAX. CW WATTS →	50	40	20	15	10
PHASE STABILITY DEG.	0.3	0.6	1.2	3.6	5.4
LOSS STABILITY dB→	0.01	0.01	0.01	0.03	0.05

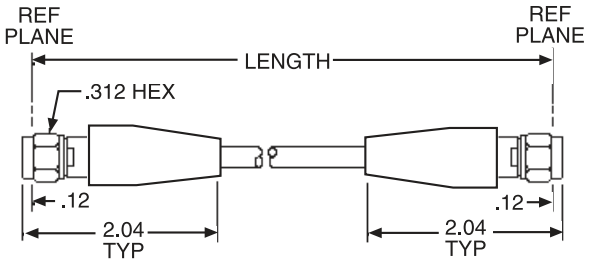
VSWR STABIITY → LESS THAN 0.02 THROU GH 18 GHz.

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIU S

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIU S:	1.00	INCHES
PREFERRED BEND RADIU S:	4.00	INCHES
CONNECTOR RETENTION:	100	POU NDS MIN.
TEMPERATU RE RANGE:	-13 / + 33	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACE: TENSOLITE HY BRID SMA		MIL-STD-348

KU CABLE ASSEMBLIES WITH HYBRID SMA MALE CONNECTORS



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	LP-389 FEP	BROWN TINT
CABLE SLEEVE:	POLY VINY LCHLORIDE	GREY
BOOTS:	RU BBER COMPOU ND	GREY
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSU LATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NU TS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASK ET:	ZZ-R-765 SILICON RU BBER	RED
CAU TION LABEL MARK ER	POLY VINY LCHLORIDE	Y ELLOW

SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE U SED

PART NU MBER	LENGTH INCHES	+ - LENGTH	MAX. WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.) U P TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO18	MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.) U P TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	LENGTH CM
KU -3636-006	6.0	0.25	3.3	1.10	1.15	1.20	1.25	1.30	0.21	0.28	0.35	0.50	0.63	15.2
KU -3636-012	12.0	0.25	3.7	1.10	1.15	1.20	1.25	1.30	0.30	0.42	0.52	0.76	0.98	30.5
KU -3636-018	18.0	0.25	4.0	1.10	1.15	1.20	1.25	1.30	0.39	0.55	0.70	1.02	1.32	45.7
KU -3636-024	24.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30	0.48	0.69	0.87	1.29	1.66	61.0
KU -3636-030	30.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30	0.57	0.82	1.04	1.55	2.00	76.2
KU -3636-036	36.0	0.36	5.0	1.10	1.15	1.20	1.25	1.30	0.66	0.96	1.21	1.81	2.35	91.4
KU -3636-039	39.4	0.39	5.2	1.10	1.15	1.20	1.25	1.30	0.71	1.03	1.30	1.96	2.54	100.0
KU -3636-040	40.0	0.40	5.3	1.10	1.15	1.20	1.25	1.30	0.72	1.04	1.32	1.99	2.57	101.5
KU -3636-042	42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30	0.75	1.09	1.38	2.08	2.69	106.7
KU -3636-048	48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30	0.84	1.22	1.55	2.34	3.03	121.9
KU -3636-054	54.0	0.54	6.1	1.10	1.15	1.20	1.25	1.30	0.93	1.36	1.72	2.60	3.37	137.2
KU -3636-060	60.0	0.60	6.4	1.10	1.15	1.20	1.25	1.30	1.02	1.49	1.89	2.86	3.71	152.4
KU -3636-072	72.0	0.72	7.1	1.10	1.15	1.20	1.25	1.30	1.20	1.76	2.23	3.39	4.40	182.9
KU -3636-084	84.0	0.84	7.8	1.10	1.15	1.20	1.25	1.30	1.38	2.03	2.58	3.92	5.08	213.4
KU -3636-096	96.0	0.96	8.5	1.10	1.15	1.20	1.25	1.30	1.56	2.30	2.92	4.44	5.77	243.8
KU -3636-108	108.0	1.08	9.2	1.10	1.15	1.20	1.25	1.30	1.74	2.57	3.26	4.97	6.45	274.3
KU -3636-120	120.0	1.20	9.9	1.10	1.15	1.20	1.25	1.30	1.92	2.83	3.60	5.50	7.14	304.8
KU -3636-144	144.0	1.44	11.2	1.15	1.20	1.25	1.30	1.35	2.28	3.37	4.29	6.55	8.51	365.8
KU -3636-168	168.0	1.68	12.6	1.15	1.20	1.25	1.30	1.35	2.64	3.91	4.97	7.60	9.87	426.7
KU 3636-180	180.4	1.80	13.3	1.15	1.20	1.25	1.30	1.35	2.82	4.18	5.32	8.14	10.58	458.1

MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M INCLU DING MEASU RING SY STEM U NCERTAINTY.

NOTE: PRODU CT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY.

PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY, CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS

VISIT OU R WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

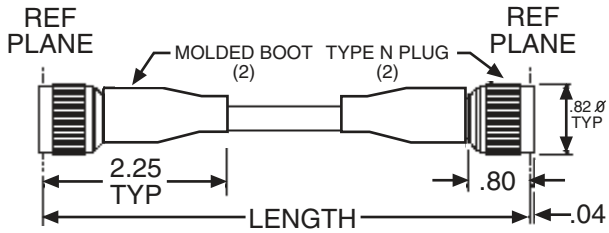
F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	560	360	240	200	130	110
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB→	0.01	0.01	0.01	0.015	0.03	0.05

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.250	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 / + 105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
TYPE N CONNECTOR INTERFACE:	MIL-STD-348	(SOLID OUTER COND).

TYPE N MALES ON KU CABLE ASSEMBLY



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	PVC	GREY
MARKING:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE

FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE N BODY :	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
TYPE N NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED

THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.
A USER INSTALLED TYPE N GASKET IS AVAILABLE.
ORDER GASKET, PART NUMBER 5-1368-100-17.

SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED.

PART NUMBER	LENGTH INCHES	± - LENGTH	MAX. WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
				UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
KU -1818-012	12.0	0.25	4.7	1.07	1.12	1.15	1.18	1.22	1.30	0.20	0.28	0.41	0.50	0.75	0.98	30.5
KU -1818-013	13.0	0.25	4.7	1.07	1.12	1.15	1.18	1.22	1.30	0.21	0.30	0.43	0.53	0.79	1.03	33.0
KU -1818-014	14.0	0.14	4.8	1.07	1.12	1.15	1.18	1.22	1.30	0.22	0.31	0.45	0.56	0.84	1.09	35.6
KU -1818-015	15.0	0.15	4.9	1.07	1.12	1.15	1.18	1.22	1.30	0.23	0.33	0.48	0.59	0.88	1.15	38.1
KU -1818-016	16.0	0.16	4.9	1.07	1.12	1.15	1.18	1.22	1.30	0.24	0.34	0.50	0.62	0.92	1.20	40.6
KU -1818-017	17.0	0.17	5.0	1.07	1.12	1.15	1.18	1.22	1.30	0.25	0.36	0.52	0.65	0.97	1.26	43.2
KU -1818-018	18.4	0.18	5.1	1.07	1.12	1.15	1.18	1.22	1.30	0.26	0.37	0.54	0.68	1.01	1.32	45.7
KU -1818-019	19.0	0.19	5.1	1.07	1.12	1.15	1.18	1.22	1.30	0.27	0.39	0.56	0.70	1.06	1.38	48.3
KU -1818-020	20.0	0.20	5.2	1.07	1.12	1.15	1.18	1.22	1.30	0.28	0.40	0.59	0.73	1.10	1.43	50.8
KU -1818-021	21.0	0.21	5.3	1.07	1.12	1.15	1.18	1.22	1.30	0.29	0.42	0.61	0.76	1.14	1.49	53.3
KU -1818-022	22.0	0.22	5.3	1.07	1.12	1.15	1.18	1.22	1.30	0.30	0.43	0.63	0.79	1.19	1.55	55.9
KU -1818-023	23.0	0.23	5.4	1.07	1.12	1.15	1.18	1.22	1.30	0.31	0.45	0.65	0.82	1.23	1.60	58.4
KU -1818-024	24.0	0.24	5.5	1.07	1.12	1.15	1.18	1.22	1.30	0.32	0.46	0.68	0.85	1.28	1.66	61.0
KU -1818-025	25.0	0.25	5.5	1.07	1.12	1.15	1.18	1.22	1.30	0.33	0.48	0.70	0.88	1.32	1.72	63.5
KU -1818-026	26.0	0.26	5.6	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.49	0.72	0.90	1.36	1.78	66.0
KU -1818-027	27.4	0.27	5.7	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.51	0.75	0.94	1.42	1.85	69.5
KU -1818-028	28.0	0.28	5.7	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.52	0.77	0.96	1.45	1.89	71.1
KU -1818-029	29.0	0.29	5.8	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.54	0.79	0.99	1.49	1.95	73.7
KU -1818-030	30.0	0.30	5.9	1.07	1.12	1.15	1.18	1.22	1.30	0.39	0.55	0.81	1.02	1.54	2.00	76.2
KU -1818-031	31.0	0.31	5.9	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.57	0.83	1.05	1.58	2.06	78.7
KU -1818-032	32.0	0.32	6.0	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.58	0.86	1.07	1.63	2.12	81.3
KU -1818-033	33.0	0.33	6.1	1.07	1.12	1.15	1.18	1.22	1.30	0.42	0.60	0.88	1.10	1.67	2.17	83.8
KU -1818-034	34.0	0.34	6.1	1.07	1.12	1.15	1.18	1.22	1.30	0.43	0.61	0.90	1.13	1.71	2.23	86.4
KU -1818-035	35.0	0.35	6.2	1.07	1.12	1.15	1.18	1.22	1.30	0.44	0.63	0.92	1.16	1.76	2.29	88.9
KU -1818-036	36.0	0.36	6.3	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.64	0.95	1.19	1.80	2.35	91.4
KU -1818-039	39.0	0.39	6.5	1.07	1.12	1.15	1.18	1.22	1.30	0.48	0.68	1.01	1.27	1.93	2.52	99.1
KU -1818-042	42.0	0.42	6.7	1.07	1.12	1.15	1.18	1.22	1.30	0.51	0.73	1.08	1.36	2.07	2.69	99.1
KU -1818-045	45.0	0.45	6.9	1.07	1.12	1.15	1.18	1.22	1.30	0.54	0.77	1.15	1.45	2.20	2.86	106.7
KU -1818-048	48.0	0.48	7.1	1.07	1.12	1.15	1.18	1.22	1.30	0.57	0.82	1.21	1.53	2.33	3.03	114.3
KU -1818-054	54.0	0.54	7.5	1.07	1.12	1.15	1.18	1.22	1.30	0.63	0.91	1.35	1.70	2.59	3.37	121.9
KU -1818-060	60.0	0.60	7.9	1.07	1.12	1.15	1.18	1.22	1.30	0.69	1.00	1.48	1.87	2.85	3.71	137.2
KU -1818-072	72.0	0.72	8.7	1.07	1.12	1.15	1.18	1.22	1.30	0.81	1.18	1.75	2.21	3.38	4.40	152.4
KU -1818-084	84.0	0.84	9.5	1.07	1.12	1.15	1.18	1.22	1.30	0.93	1.36	2.02	2.56	3.91	5.08	182.9
KU -1818-096	54.7	0.55	7.5	1.07	1.12	1.15	1.18	1.22	1.30	0.64	0.92	1.36	1.72	2.62	3.41	213.4
KU -1818-099	99.0	0.99	10.5	1.07	1.12	1.15	1.18	1.22	1.30	1.09	1.58	2.35	2.98	4.56	5.94	139.0
KU -1818-120	120.0	1.20	11.9	1.07	1.12	1.15	1.18	1.22	1.30	1.30	1.90	2.82	3.58	5.49	7.14	251.5
KU -1818-144	144.0	1.44	13.5	1.07	1.12	1.15	1.18	1.22	1.30	1.55	2.26	3.36	4.27	6.54	8.51	304.8
KU -1818-180	180.0	1.80	15.9	1.07	1.12	1.15	1.18	1.22	1.30	1.91	2.80	4.17	5.29	8.12	10.56	457.2
KU -1818-240	240.0	2.40	19.91.07	1.12	1.15	1.18	1.22	1.30	2.52	3.70	5.51	7.00	10.75		13.98	609.6

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PULSE MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.
VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	50	40	20	18	15	10
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.8	5.4
LOSS STABILITY dB→	0.01	0.01	0.01	0.02	0.03	0.05

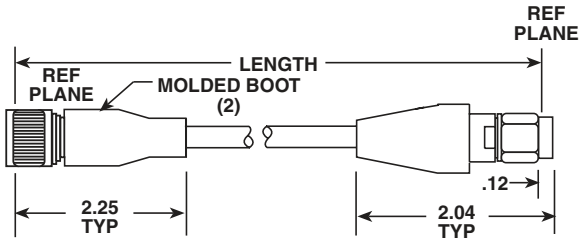
VSWR STABILITY → LESS THAN 0.02 THROUGH 18GHz.

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.245	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
FLEXED MIN. BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-13 / +33	DEGREES C
SMA MATING TORQUE:	7-10	INCH POUNDS
7 MM MATING TORQUE:	12-15	INCH POUND
CONNECTOR INTERFACES:SMA - TENSOLITE HYBRID SMA		N MIL-STD-348

TYPE N MALE TO HYBRID SMA MALE ON KU CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYVINYLCHLORIDE	BLACK
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKET:	ZZ-R-765 SILICON RUBBER	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED.	

PART NUMBER	LENGTH INCHES	+/- LENGTH	MAX. WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
				UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
KU-1836-009	9.0	0.25	3.2	1.10	1.15	1.20	1.25	1.30	1.35	0.17	0.24	0.34	0.42	0.62	0.81	22.9
KU-1836-010	10.0	0.25	3.3	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.25	0.36	0.45	0.66	0.86	25.4
KU-1836-011	11.0	0.25	3.3	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.27	0.39	0.48	0.71	0.92	27.9
KU-1836-012	12.0	0.25	3.4	1.10	1.15	1.20	1.25	1.30	1.35	0.20	0.28	0.41	0.50	0.75	0.98	30.5
KU-1836-013	13.0	0.25	3.4	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.30	0.43	0.53	0.79	1.03	33.0
KU-1836-014	14.0	0.25	3.5	1.10	1.15	1.20	1.25	1.30	1.35	0.22	0.31	0.45	0.56	0.84	1.09	35.6
KU-1836-015	15.0	0.25	3.6	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.33	0.48	0.59	0.88	1.15	38.1
KU-1836-016	16.0	0.25	3.6	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.34	0.50	0.62	0.92	1.20	40.6
KU-1836-017	17.0	0.25	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.36	0.52	0.65	0.97	1.26	43.2
KU-1836-018	18.0	0.18	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.37	0.54	0.68	1.01	1.32	45.7
KU-1836-021	21.0	0.25	3.9	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.42	0.61	0.76	1.14	1.49	53.3
KU-1836-024	24.0	0.25	4.1	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.46	0.68	0.85	1.28	1.66	61.0
KU-1836-027	27.0	0.25	4.2	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.51	0.74	0.93	1.41	1.83	68.6
KU-1836-030	30.0	0.30	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.55	0.81	1.02	1.54	2.00	76.2
KU-1836-033	33.0	0.33	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.60	0.88	1.10	1.67	2.17	83.8
KU-1836-036	36.0	0.36	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.64	0.95	1.19	1.80	2.35	91.4
KU-1836-039	39.0	0.39	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.68	1.01	1.27	1.93	2.52	99.1
KU-1836-042	42.0	0.42	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.73	1.08	1.36	2.07	2.69	106.7
KU-1836-045	45.0	0.45	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.77	1.15	1.45	2.20	2.86	114.3
KU-1836-048	48.0	0.48	5.5	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.21	1.53	2.33	3.03	121.9
KU-1836-054	54.0	0.54	5.8	1.10	1.15	1.20	1.25	1.30	1.35	0.63	0.91	1.35	1.70	2.59	3.37	137.2
KU-1836-060	60.0	0.60	6.1	1.10	1.15	1.20	1.25	1.30	1.35	0.69	1.00	1.48	1.87	2.85	3.71	152.4
KU-1836-066	66.0	0.66	6.5	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.09	1.62	2.04	3.12	4.06	167.6
KU-1836-072	72.0	0.72	6.8	1.10	1.15	1.20	1.25	1.30	1.35	0.81	1.18	1.75	2.21	3.38	4.40	182.9
KU-1836-084	84.0	0.84	7.5	1.10	1.15	1.20	1.25	1.30	1.35	0.93	1.36	2.02	2.56	3.91	5.08	213.4
KU-1836-096	96.0	0.96	8.2	1.10	1.15	1.20	1.25	1.30	1.35	1.08	1.54	2.29	2.90	4.43	5.77	243.8
KU-1836-099	99.0	0.99	8.4	1.10	1.15	1.20	1.25	1.30	1.35	1.09	1.58	2.35	2.98	4.56	5.94	251.5

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSU LATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PU LSE RF POWER:	1250	WATTS

(INTO A 50 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	50	40	20	18	15	10
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB→	0.01	0.01	0.01	0.02	0.03	0.05

VSWR STABILITY → LESS THAN 0.02 THROU GH 18 GHz.

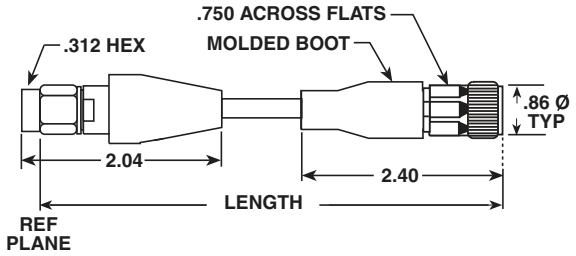
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIU S

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.245	INCHES
MIN. ONE TIME BEND RADIU S:	1.00	INCHES
FLEXED MIN. BEND RADIU S:	4.00	INCHES
CONNECTOR RETENTION:	100	POU NDS MIN.
TEMPERATU RE RANGE:	-13 / + 33	DEGREES C
SMA MATING TORQU E:	7-10	INCH POU NDS
7MM MATING TORQU E:	12-15	INCH POU NDS

CONNECTOR INTERFACES: SMA TENSOLITE HY BRID SMA

HYBRID SMA MALE TO 7MM CONNECTORS ON KU CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	POLY VINY LCHLORIDE	BLACK
MARK ER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
SMA INSU LATORS:	ASTM D1457 PTFE	NONE
7MM INSU LATORS:	PPO	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
7MM BODY :	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
CONNECTOR NU TS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASK ET:	ZZ-R-765 SILICON RU BBER	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE U SED.	

PART NU MBER	LENGTH INCHES	+ - LENGTH	MAX. WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.) U P TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO12	12 TO 18	MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.) U P TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	LENGTH CM
K U -3678-012	12.0	0.25	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.29	0.43	0.53	0.78	1.02	30.5
K U -3678-013	13.0	0.25	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.22	0.31	0.45	0.56	0.83	1.08	33.0
K U -3678-014	14.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.32	0.47	0.59	0.87	1.13	35.6
K U -3678-015	15.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.34	0.50	0.61	0.92	1.19	38.1
K U -3678-016	16.0	0.25	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.35	0.52	0.64	0.96	1.25	40.6
K U -3678-017	17.0	0.25	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.37	0.54	0.67	1.00	1.30	43.2
K U -3678-018	18.0	0.25	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.27	0.38	0.56	0.70	1.05	1.36	45.7
K U -3678-019	19.0	0.25	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.40	0.58	0.73	1.09	1.42	48.3
K U -3678-020	20.0	0.25	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.41	0.61	0.76	1.13	1.48	50.8
K U -3678-021	21.0	0.21	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.43	0.63	0.79	1.18	1.53	53.3
K U -3678-022	22.0	0.25	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.44	0.65	0.81	1.22	1.59	55.9
K U -3678-023	23.0	0.25	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.46	0.67	0.84	1.27	1.65	58.4
K U -3678-024	24.0	0.25	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.47	0.70	0.87	1.31	1.70	61.0
K U -3678-026	26.0	0.26	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.50	0.74	0.93	1.40	1.82	66.0
K U -3678-028	28.0	0.28	5.5	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.53	0.79	0.99	1.49	1.93	71.1
K U -3678-030	30.0	0.30	5.6	1.10	1.15	1.20	1.25	1.30	1.35	0.40	0.56	0.83	1.04	1.57	2.05	76.2
K U -3678-032	32.0	0.32	5.7	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.59	0.88	1.10	1.66	2.16	81.3
K U -3678-034	34.0	0.34	5.8	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.62	0.92	1.16	1.75	2.27	86.4
K U -3678-036	36.0	0.36	5.9	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.65	0.97	1.21	1.84	2.39	91.4
K U -3678-039	39.0	0.39	6.1	1.10	1.15	1.20	1.25	1.30	1.35	0.49	0.70	1.03	1.30	1.97	2.56	99.1
K U -3678-042	42.0	0.42	6.3	1.10	1.15	1.20	1.25	1.30	1.35	0.52	0.74	1.10	1.38	2.10	2.73	106.7
K U -3678-045	45.0	0.45	6.5	1.10	1.15	1.20	1.25	1.30	1.35	0.55	0.79	1.17	1.47	2.23	2.90	114.3
K U -3678-048	48.0	0.48	6.6	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.83	1.23	1.56	2.36	3.07	121.9
K U -3678-054	54.0	0.54	7.0	1.10	1.15	1.20	1.25	1.30	1.35	0.64	0.92	1.37	1.73	2.63	3.41	137.2
K U -3678-060	60.0	0.60	7.3	1.10	1.15	1.20	1.25	1.30	1.35	0.70	1.01	1.50	1.90	2.89	3.76	152.4
K U -3678-072	72.0	0.72	8.0	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.19	1.77	2.24	3.42	4.44	182.9
K U -3678-084	84.0	0.84	8.7	1.10	1.15	1.20	1.25	1.30	1.35	0.94	1.37	2.04	2.58	3.94	5.13	213.4
K U -3678-096	96.0	0.96	9.4	1.10	1.15	1.20	1.25	1.30	1.35	1.07	1.55	2.31	2.92	4.47	5.81	243.8
K U -3678-099	99.0	0.99	9.6	1.10	1.15	1.20	1.25	1.30	1.35	1.10	1.60	2.37	3.01	4.60	5.98	251.5

MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M INCLU DING MEASU RING SY STEM U NCERTAINTY .

NOTE: PRODU CT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY .

PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY , CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	50	40	20	18	15	10
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB→	0.01	0.01	0.01	0.02	0.03	0.05

VSWR STABILITY → LESS THAN 0.02 THROUGH 18 GHz.

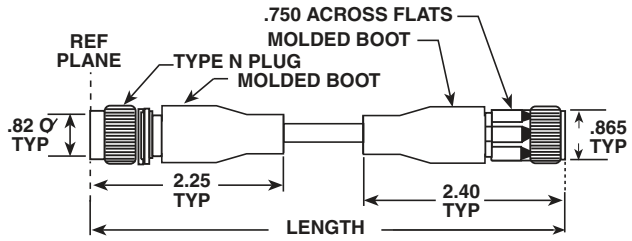
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.245	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
FLEXED MIN. BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-13 / + 33	DEGREES C
N MATING TORQUE:	10-15	INCH POUNDS
7MM MATING TORQUE:	12-15	INCH POUNDS

CONNECTOR INTERFACES: N= MIL-STD-348 (SOLID) 7MM= IEEE287

TYPE N MALE TO 7MM CONNECTORS ON KU CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYVINYLCHLORIDE	BLACK
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
TYPE N INSULATORS:	ASTM D1457 PTFE	NONE
7MM INSULATORS:	PPO	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
7MM BODY :	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKET:	ZZ-R-765 SILICON RUBBER	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED.	

PART NUMBER		LENGTH INCHES	+/- LENGTH	MAX. WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
KU -1878-012		12.0	0.25	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.32	0.47	0.58	0.85	1.10	30.5
KU -1878-013		13.0	0.25	4.6	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.34	0.49	0.61	0.90	1.16	33.0
KU -1878-014		14.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.35	0.51	0.64	0.94	1.22	35.6
KU -1878-015		15.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.37	0.54	0.66	0.98	1.28	38.1
KU -1878-016		16.0	0.25	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.27	0.38	0.56	0.69	1.03	1.33	40.6
KU -1878-017		17.0	0.25	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.40	0.58	0.72	1.07	1.39	43.2
KU -1878-018		18.0	0.25	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.41	0.60	0.75	1.12	1.45	45.7
KU -1878-019		19.0	0.25	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.43	0.62	0.78	1.16	1.50	48.3
KU -1878-020		20.0	0.25	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.44	0.65	0.81	1.20	1.56	50.8
KU -1878-021		21.0	0.21	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.46	0.67	0.83	1.25	1.62	53.3
KU -1878-022		22.0	0.25	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.47	0.69	0.86	1.29	1.67	55.9
KU -1878-023		23.0	0.25	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.34	0.49	0.71	0.89	1.34	1.73	58.4
KU -1878-024		24.0	0.25	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.50	0.74	0.92	1.38	1.79	61.0
KU -1878-026		26.0	0.26	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.53	0.78	0.98	1.47	1.90	66.0
KU -1878-028		28.0	0.28	5.5	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.56	0.83	1.03	1.56	2.02	71.1
KU -1878-030		30.0	0.30	5.6	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.59	0.87	1.09	1.64	2.13	76.2
KU -1878-032		32.0	0.32	5.7	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.62	0.92	1.15	1.73	2.24	81.3
KU -1878-034		34.0	0.34	5.8	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.65	0.96	1.21	1.82	2.36	86.4
KU -1878-036		36.0	0.36	5.9	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.68	1.01	1.26	1.91	2.47	91.4
KU -1878-039		39.0	0.39	6.1	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.73	1.07	1.35	2.04	2.64	99.1
KU -1878-042		42.0	0.42	6.3	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.77	1.14	1.43	2.17	2.82	106.7
KU -1878-045		45.0	0.45	6.5	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.21	1.52	2.30	2.99	114.3
KU -1878-048		48.0	0.48	6.6	1.10	1.15	1.20	1.25	1.30	1.35	0.60	0.86	1.27	1.60	2.43	3.16	121.9
KU -1878-054		54.0	0.54	7.0	1.10	1.15	1.20	1.25	1.30	1.35	0.66	0.95	1.41	1.78	2.70	3.50	137.2
KU -1878-060		60.0	0.60	7.3	1.10	1.15	1.20	1.25	1.30	1.35	0.72	1.04	1.54	1.95	2.96	3.84	152.4
KU -1878-072		72.0	0.72	8.0	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.22	1.81	2.29	3.48	4.53	182.9
KU -1878-084		84.0	0.84	8.7	1.10	1.15	1.20	1.25	1.30	1.35	0.96	1.40	2.08	2.63	4.01	5.21	213.4
KU -1878-096		96.0	0.96	9.4	1.10	1.15	1.20	1.25	1.30	1.35	1.09	1.58	2.35	2.97	4.54	5.90	243.8
KU -1878-099		99.0	0.99	9.6	1.10	1.15	1.20	1.25	1.30	1.35	1.12	1.63	2.41	3.06	4.67	6.07	251.5

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	12	18
MAX. CW WATTS →	50	40	20	15	10
PHASE STABILITY DEG.	0.3	0.6	1.2	3.6	5.4
LOSS STABILITY dB→	0.01	0.01	0.01	0.03	0.05

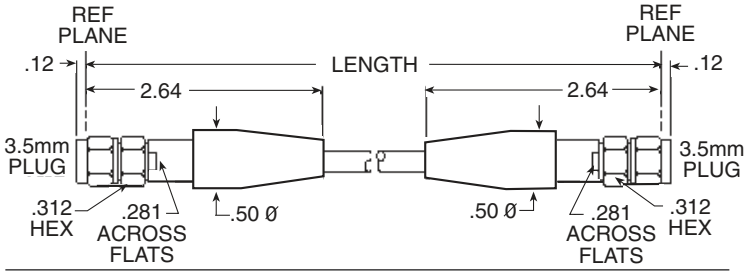
VSWR STABILITY → LESS THAN 0.02 THROUGH 18 GHz.

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-13 / +33	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	3.5 MM	

KU CABLE ASSEMBLIES WITH 3.5 MM MALE CONNECTORS



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
CABLE SLEEVE:	POLYVINYLCHLORIDE	GREY
BOOTS:	RUBBER COMPOUND	GREY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED.	

PART NUMBER	LENGTH FT	LENGTH INCHES	+/- LENGTH	MAX. WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.) UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO18		MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.) UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		LENGTH CM
KU-7272-012	1	12.0	0.25	3.7	1.10	1.15	1.20	1.25	1.30		0.30	0.42	0.52	0.76	0.98		30.5
KU-7272-018		18.0	0.25	4.0	1.10	1.15	1.20	1.25	1.30		0.39	0.55	0.70	1.02	1.32		45.7
KU-7272-024	2	24.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30		0.48	0.69	0.87	1.29	1.66		61.0
KU-7272-030		30.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30		0.57	0.82	1.04	1.55	2.00		76.2
KU-7272-034		34.0	0.34	4.9	1.10	1.15	1.20	1.25	1.30		0.63	0.91	1.15	1.72	2.23		86.4
KU-7272-036	3	36.0	0.36	5.0	1.10	1.15	1.20	1.25	1.30		0.66	0.96	1.21	1.81	2.35		91.4
KU-7272-039		39.0	0.39	5.2	1.10	1.15	1.20	1.25	1.30		0.70	1.02	1.29	1.94	2.52		99.1
KU-7272-042		42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30		0.75	1.09	1.38	2.08	2.69		106.7
KU-7272-048	4	48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30		0.84	1.22	1.55	2.34	3.03		121.9
KU-7272-054		54.0	0.54	6.1	1.10	1.15	1.20	1.25	1.30		0.93	1.36	1.72	2.60	3.37		137.2
KU-7272-060	5	60.0	0.60	6.4	1.10	1.15	1.20	1.25	1.30		1.02	1.49	1.89	2.86	3.71		152.4
KU-7272-072	6	72.0	0.72	7.1	1.10	1.15	1.20	1.25	1.30		1.20	1.76	2.23	3.39	4.40		182.9
KU-7272-084	7	84.0	0.84	7.8	1.10	1.15	1.20	1.25	1.30		1.38	2.03	2.58	3.92	5.08		213.4
KU-7272-096	8	96.0	0.96	8.5	1.10	1.15	1.20	1.25	1.30		1.56	2.30	2.92	4.44	5.77		243.8
KU-7272-120	10	120.0	1.20	9.9	1.10	1.15	1.20	1.25	1.30		1.92	2.83	3.60	5.50	7.14		304.8
KU-7272-144	12	144.0	1.44	11.2	1.15	1.20	1.25	1.30	1.35		2.28	3.37	4.29	6.55	8.51		365.8
KU-7272-168	14	166.0	1.66	12.6	1.15	1.20	1.25	1.30	1.35		2.64	3.91	4.97	7.60	9.87		426.7
KU-7272-180	15	180.4	1.80	13.3	1.15	1.20	1.25	1.30	1.35		2.82	4.18	5.32	8.14	10.58		458.1

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	50	40	20	18	15	10
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB→	0.01	0.01	0.01	0.02	0.03	0.05

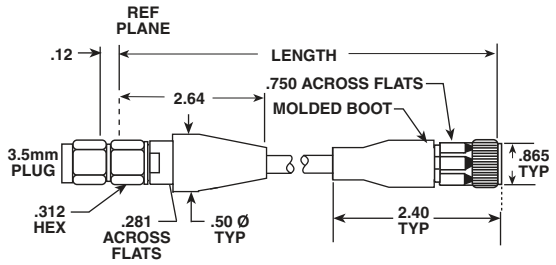
VSWR STABILITY → LESS THAN 0.02 THROUGH 18 GHz.

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.245	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
FLEXED MIN. BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-13 / +33	DEGREES C
3.5 MM MATING TORQUE:	7-10	INCH POUNDS
7MM MATING TORQUE:	12-15	INCH POUNDS
CONNECTOR INTERFACES:	3.5 MM	7MM IEEE 287

3.5 MM MALE TO 7MM CONNECTORS ON KU CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYVINYLCHLORIDE	BLACK
MARKER:	MIL-I-23053	WHITE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	PPO	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
7 MM BODY :	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
7 MM NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKET:	ZZ-R-765 SILICON RUBBER	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED.	

PART NUMBER	LENGTH INCHES	+/- LENGTH	MAX. WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
				UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
KU-7278-012	12.0	0.25	4.2	1.10	1.15	1.20	1.25	1.32	1.38	0.22	0.31	0.45	0.55	0.82	1.06	30.5
KU-7278-013	13.0	0.25	4.2	1.10	1.15	1.20	1.25	1.32	1.38	0.23	0.32	0.47	0.58	0.86	1.12	33.0
KU-7278-014	14.0	0.25	4.3	1.10	1.15	1.20	1.25	1.32	1.38	0.24	0.34	0.49	0.61	0.91	1.18	35.6
KU-7278-015	15.0	0.25	4.4	1.10	1.15	1.20	1.25	1.32	1.38	0.25	0.35	0.52	0.64	0.95	1.23	38.1
KU-7278-016	16.0	0.25	4.4	1.10	1.15	1.20	1.25	1.32	1.38	0.26	0.37	0.54	0.67	0.99	1.29	40.6
KU-7278-017	17.0	0.25	4.5	1.10	1.15	1.20	1.25	1.32	1.38	0.27	0.38	0.56	0.70	1.04	1.35	43.2
KU-7278-018	18.0	0.25	4.5	1.10	1.15	1.20	1.25	1.32	1.38	0.28	0.40	0.58	0.72	1.08	1.40	45.7
KU-7278-019	19.0	0.25	4.6	1.10	1.15	1.20	1.25	1.32	1.38	0.29	0.41	0.60	0.75	1.13	1.46	48.3
KU-7278-020	20.0	0.25	4.6	1.10	1.15	1.20	1.25	1.32	1.38	0.30	0.43	0.63	0.78	1.17	1.52	50.8
KU-7278-021	21.0	0.21	4.7	1.10	1.15	1.20	1.25	1.32	1.38	0.31	0.44	0.65	0.81	1.21	1.57	53.3
KU-7278-022	22.0	0.25	4.8	1.10	1.15	1.20	1.25	1.32	1.38	0.32	0.46	0.67	0.84	1.26	1.63	55.9
KU-7278-023	23.0	0.25	4.8	1.10	1.15	1.20	1.25	1.32	1.38	0.33	0.47	0.69	0.87	1.30	1.69	58.4
KU-7278-024	24.0	0.25	4.9	1.10	1.15	1.20	1.25	1.32	1.38	0.34	0.49	0.72	0.90	1.34	1.75	61.0
KU-7278-026	26.0	0.26	5.0	1.10	1.15	1.20	1.25	1.32	1.38	0.36	0.52	0.76	0.95	1.43	1.86	66.0
KU-7278-028	28.0	0.28	5.1	1.10	1.15	1.20	1.25	1.32	1.38	0.38	0.55	0.81	1.01	1.52	1.97	71.1
KU-7278-030	30.0	0.30	5.2	1.10	1.15	1.20	1.25	1.32	1.38	0.41	0.58	0.85	1.07	1.61	2.09	76.2
KU-7278-032	32.0	0.32	5.3	1.10	1.15	1.20	1.25	1.32	1.38	0.43	0.61	0.90	1.12	1.70	2.20	81.3
KU-7278-034	34.0	0.34	5.4	1.10	1.15	1.20	1.25	1.32	1.38	0.45	0.64	0.94	1.18	1.78	2.32	86.4
KU-7278-036	36.0	0.36	5.6	1.10	1.15	1.20	1.25	1.32	1.38	0.47	0.67	0.99	1.24	1.87	2.43	91.4
KU-7278-039	39.0	0.39	5.7	1.10	1.15	1.20	1.25	1.32	1.38	0.50	0.71	1.05	1.32	2.00	2.60	99.1
KU-7278-042	42.0	0.42	5.9	1.10	1.15	1.20	1.25	1.32	1.38	0.53	0.76	1.12	1.41	2.13	2.77	106.7
KU-7278-045	45.0	0.45	6.1	1.10	1.15	1.20	1.25	1.32	1.38	0.56	0.80	1.19	1.49	2.27	2.94	114.3
KU-7278-048	48.0	0.48	6.2	1.10	1.15	1.20	1.25	1.32	1.38	0.59	0.85	1.25	1.58	2.40	3.11	121.9
KU-7278-054	54.0	0.54	6.6	1.10	1.15	1.20	1.25	1.32	1.38	0.65	0.94	1.39	1.75	2.66	3.46	137.2
KU-7278-060	60.0	0.60	6.9	1.10	1.15	1.20	1.25	1.32	1.38	0.71	1.03	1.52	1.92	2.92	3.80	152.4
KU-7278-072	72.0	0.72	7.6	1.10	1.15	1.20	1.25	1.32	1.38	0.83	1.21	1.79	2.26	3.45	4.48	182.9
KU-7278-084	84.0	0.84	8.3	1.10	1.15	1.20	1.25	1.32	1.38	0.95	1.39	2.06	2.61	3.98	5.17	213.4
KU-7278-096	96.0	0.96	9.0	1.10	1.15	1.20	1.25	1.32	1.38	1.08	1.57	2.33	2.95	4.50	5.85	243.8
KU-7278-099	99.0	0.99	9.2	1.10	1.15	1.20	1.25	1.32	1.38	1.11	1.61	2.39	3.03	4.63	6.02	251.5

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSU LATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PU LSE RF POWER:	1250	WATTS

(INTO A 50 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	12	18	26.5
MAX. CW WATTS →	50	40	20	15	10	8
PHASE STABILITY DEG.	0.3	0.6	1.2	3.6	5.4	8.0
LOSS STABILITY dB→	0.01	0.01	0.01	0.03	0.05	0.08

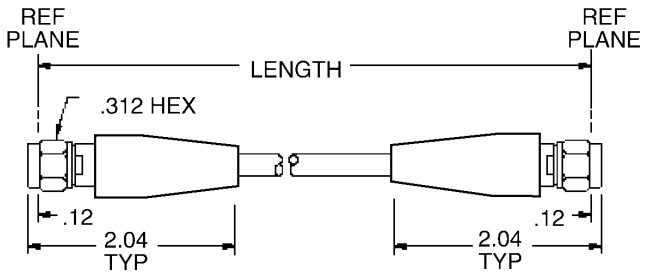
VSWR STABILITY → LESS THAN 0.02 THROU GH 26.5GHz.

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIU S

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIU S:	1.00	INCHES
PREFERRED BEND RADIU S:	4.00	INCHES
CONNECTOR RETENTION:	100	POU NDS MIN.
TEMPERATU RE RANGE:	-13 / + 33	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACES: TENSOLITE HY BRID SMA MIL-STD-348		

K CABLE ASSEMBLIES WITH QMI HYBRID SMA MALE CONNECTORS



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	LP-389 FEP	BROWN TINT
CABLE SLEEVE:	POLY VINY LCHLORIDE	GREY
BOOTS:	RU BBER COMPOU ND	GREY
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSU LATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NU TS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASK ET:	ZZ-R-765 SILICON RU BBER	RED
CAU TION LABEL MARK ER	POLY VINY LCHLORIDE	Y ELLOW

SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE U SED.

PART NU MBER		LENGTH INCHES	+/- LENGTH	MAX. WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.) U P TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.) U P TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	LENGTH CM
K-3636-006		6.0	0.25	3.3	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.28	0.35	0.50	0.63	0.80	15.2
K-3636-007		7.0	0.25	3.4	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.31	0.38	0.54	0.69	0.87	17.8
K-3636-012		12.0	0.25	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.42	0.52	0.76	0.98	1.24	30.5
K-3636-018		18.0	0.25	4.0	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.55	0.70	1.02	1.32	1.69	45.7
K-3636-024		24.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.69	0.87	1.29	1.66	2.13	61.0
K-3636-030		30.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.04	1.55	2.00	2.57	76.2
K-3636-036		36.0	0.36	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.66	0.96	1.21	1.81	2.35	3.02	91.4
K-3636-039		39.4	0.39	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.03	1.30	1.96	2.54	3.27	100.0
K-3636-040		40.0	0.40	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.72	1.04	1.32	1.99	2.57	3.31	101.5
K-3636-042		42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.09	1.38	2.08	2.69	3.46	106.7
K-3636-048		48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.22	1.55	2.34	3.03	3.91	121.9
K-3636-054		54.0	0.54	6.1	1.10	1.15	1.20	1.25	1.30	1.35	0.93	1.36	1.72	2.60	3.37	4.35	137.2
K-3636-060		60.0	0.60	6.4	1.10	1.15	1.20	1.25	1.30	1.35	1.02	1.49	1.89	2.86	3.71	4.79	152.4
K-3636-072		72.0	0.72	7.1	1.10	1.15	1.20	1.25	1.30	1.35	1.20	1.76	2.23	3.39	4.40	5.68	182.9
K-3636-084		84.0	0.84	7.8	1.10	1.15	1.20	1.25	1.30	1.35	1.38	2.03	2.58	3.92	5.08	6.57	213.4
K-3636-096		96.0	0.96	8.5	1.10	1.15	1.20	1.25	1.30	1.35	1.56	2.30	2.92	4.44	5.77	7.45	243.8
K-3636-108		108.0	1.08	9.2	1.10	1.15	1.20	1.25	1.30	1.35	1.74	2.57	3.26	4.97	6.45	8.34	274.3
K-3636-120		120.0	1.20	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.92	2.83	3.60	5.50	7.14	9.23	304.8
K-3636-144		144.0	1.44	11.2	1.15	1.20	1.25	1.30	1.35	1.45	2.28	3.37	4.29	6.55	8.51	11.00	365.8
K-3636-168		168.0	1.68	12.6	1.15	1.20	1.25	1.30	1.35	1.45	2.64	3.91	4.97	7.60	9.87	12.77	426.7
K-3636-180		180.4	1.80	13.3	1.15	1.20	1.25	1.30	1.35	1.45	2.82	4.18	5.32	8.14	10.58	13.69	458.1

MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M INCLU DING MEASU RING SY STEM U NCERTAINTY .

NOTE: PRODU CT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY .

PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY , CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OU R WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM STEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	12	18	26.5
MAX. CW WATTS →	50	40	20	15	10	8
PHASE STABILITY DEG.	0.3	0.6	1.2	3.6	5.4	8.0
LOSS STABILITY dB→	0.01	0.01	0.01	0.03	0.05	0.08

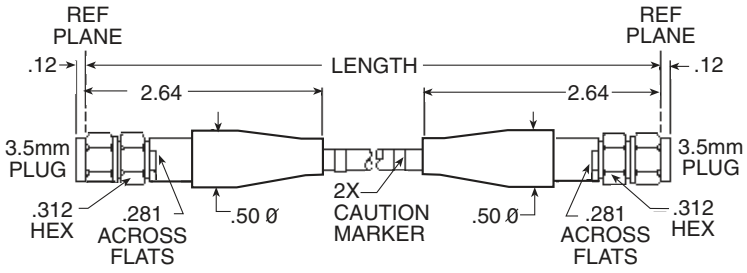
VSWR STABILITY → LESS THAN 0.02 THROUGH GH 26.5GHz.

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-13 / + 33	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	3.5 MM	

K CABLE ASSEMBLIES WITH 3.5 MM MALE CONNECTORS



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
CABLE SLEEVE:	POLYVINYLCHLORIDE	GREY
BOOTS:	RUBBER COMPOUND	GREY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKET:	ZZ-R-765 SILICON RUBBER	RED
CAUTION LABEL MARKER	POLYVINYLCHLORIDE	YELLOW
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED.	

PART NUMBER		LENGTH INCHES	+ - LENGTH	MAX. WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	
K-7272-006		6.0	0.25	3.3	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.28	0.35	0.50	0.63	0.80	15.2
K-7272-012		12.0	0.25	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.42	0.52	0.76	0.98	1.24	30.5
K-7272-018		18.0	0.25	4.0	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.55	0.70	1.02	1.32	1.69	45.7
K-7272-024		24.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.69	0.87	1.29	1.66	2.13	61.0
K-7272-030		30.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.04	1.55	2.00	2.57	76.2
K-7272-036		36.0	0.36	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.66	0.96	1.21	1.81	2.35	3.02	91.4
K-7272-039		39.4	0.39	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.03	1.30	1.96	2.54	3.27	100.0
K-7272-040		40.0	0.40	5.3	1.10	1.15	1.20	1.25	1.30	1.35	0.72	1.04	1.32	1.99	2.57	3.31	101.5
K-7272-042		42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.09	1.38	2.08	2.69	3.46	106.7
K-7272-048		48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.22	1.55	2.34	3.03	3.91	121.9
K-7272-054		54.0	0.54	6.1	1.10	1.15	1.20	1.25	1.30	1.35	0.93	1.36	1.72	2.60	3.37	4.35	137.2
K-7272-060		60.0	0.60	6.4	1.10	1.15	1.20	1.25	1.30	1.35	1.02	1.49	1.89	2.86	3.71	4.79	152.4
K-7272-072		72.0	0.72	7.1	1.10	1.15	1.20	1.25	1.30	1.35	1.20	1.76	2.23	3.39	4.40	5.68	182.9
K-7272-084		84.0	0.84	7.8	1.10	1.15	1.20	1.25	1.30	1.35	1.38	2.03	2.58	3.92	5.08	6.57	213.4
K-7272-096		96.0	0.96	8.5	1.10	1.15	1.20	1.25	1.30	1.35	1.56	2.30	2.92	4.44	5.77	7.45	243.8
K-7272-108		108.0	1.08	9.2	1.10	1.15	1.20	1.25	1.30	1.35	1.74	2.57	3.26	4.97	6.45	8.34	274.3
K-7272-120		120.0	1.20	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.92	2.83	3.60	5.50	7.14	9.23	304.8
K-7272-144		144.0	1.44	11.2	1.15	1.20	1.25	1.30	1.35	1.45	2.28	3.37	4.29	6.55	8.51	11.00	365.8
K-7272-168		168.0	1.68	12.6	1.15	1.20	1.25	1.30	1.35	1.45	2.64	3.91	4.97	7.60	9.87	12.77	426.7
K-7272-180		180.4	1.80	13.3	1.15	1.20	1.25	1.30	1.35	1.45	2.82	4.18	5.32	8.14	10.58	13.69	458.1

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSU LATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PU LSE RF POWER:	1250	WATTS

(INTO A 50 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	12	18	26.5
MAX. CW WATTS →	50	40	20	15	10	8
PHASE STABILITY DEG.	0.3	0.6	1.2	3.6	5.4	8.0
LOSS STABILITY dB→	0.01	0.01	0.01	0.03	0.05	0.08

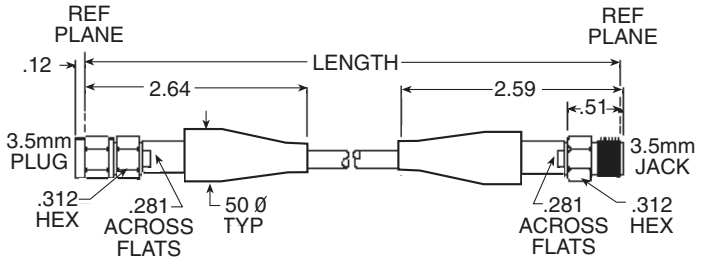
VSWR STABILITY → LESS THAN 0.02 THROU GH 26.5GHz.

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIU S

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIU S:	1.00	INCHES
PREFERRED BEND RADIU S:	4.00	INCHES
CONNECTOR RETENTION:	100	POU NDS MIN.
TEMPERATU RE RANGE:	-13 / . 33	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACE:	3.5 MM	

K CABLE ASSEMBLIES WITH 3.5 MM MALE TO 3.5 MM FEMALE CONNECTORS



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	LP-389 FEP	BROWN TINT
CABLE SLEEVE:	POLY VINY LCHLORIDE	GREY
BOOTS:	RU BBER COMPOU ND	GREY
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSU LATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NU TS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASK ET:	ZZ-R-765 SILICON RU BBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE U SED.	

PART NU MBER		LENGTH INCHES	. - LENGTH	MAX. WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.)						MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					U P TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	U P TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	
K -7274-007		7.0	0.25	3.4	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.31	0.38	0.54	0.69	0.87	17.8
K -7274-012		12.0	0.25	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.42	0.52	0.76	0.98	1.24	30.5
K -7274-013		13.0	0.25	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.44	0.55	0.80	1.03	1.32	33.0
K -7274-019		19.0	0.25	4.1	1.10	1.15	1.20	1.25	1.30	1.35	0.41	0.57	0.72	1.07	1.38	1.76	48.3
K -7274-025		25.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.71	0.90	1.33	1.72	2.21	63.5
K -7274-031		31.0	0.31	4.8	1.10	1.15	1.20	1.25	1.30	1.35	0.59	0.84	1.07	1.59	2.06	2.65	78.7
K -7274-034		34.4	0.34	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.64	0.92	1.16	1.74	2.25	2.90	87.3
K -7274-035		35.0	0.35	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.65	0.93	1.18	1.77	2.29	2.94	88.9
K -7274-037		37.0	0.37	5.1	1.10	1.15	1.20	1.25	1.30	1.35	0.67	0.98	1.24	1.86	2.40	3.09	94.0
K -7274-043		43.0	0.43	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.11	1.41	2.12	2.74	3.54	109.2
K -7274-049		49.0	0.49	5.8	1.10	1.15	1.20	1.25	1.30	1.35	0.85	1.25	1.58	2.38	3.09	3.98	124.5
K -7274-055		55.0	0.55	6.1	1.10	1.15	1.20	1.25	1.30	1.35	0.94	1.38	1.75	2.65	3.43	4.42	139.7
K -7274-067		67.0	0.67	6.8	1.10	1.15	1.20	1.25	1.30	1.35	1.12	1.65	2.09	3.17	4.11	5.31	170.2
K -7274-079		79.0	0.79	7.5	1.10	1.15	1.20	1.25	1.30	1.35	1.30	1.92	2.43	3.70	4.80	6.20	200.7
K -7274-091		91.0	0.91	8.2	1.10	1.15	1.20	1.25	1.30	1.35	1.48	2.19	2.78	4.22	5.48	7.08	231.1
K -7274-103		103.0	1.03	8.9	1.10	1.15	1.20	1.25	1.30	1.35	1.66	2.45	3.12	4.75	6.17	7.97	261.6
K -7274-115		115.0	1.15	9.6	1.10	1.15	1.20	1.25	1.30	1.35	1.84	2.72	3.46	5.28	6.85	8.86	292.1
K -7274-139		139.0	1.39	10.9	1.15	1.20	1.25	1.30	1.35	1.45	2.20	3.26	4.14	6.33	8.22	10.63	353.1
K -7274-163		163.0	1.63	12.3	1.15	1.20	1.25	1.30	1.35	1.45	2.56	3.80	4.83	7.38	9.59	12.40	414.0
K -7274-175		175.4	1.75	13.0	1.15	1.20	1.25	1.30	1.35	1.45	2.75	4.07	5.18	7.92	10.30	13.32	445.4

MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M INCLU DING MEASU RING SY STEM U NCERTAINTY .

NOTE: PRODU CT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY .

PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY , CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OU R WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.4	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100.0	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	12	18	26.5
MAX. CW WATTS →	50	40	20	15	10	8
PHASE STABILITY DEG.	0.3	0.6	1.2	3.6	5.4	8.0
LOSS STABILITY dB→	0.01	0.01	0.01	0.03	0.05	0.08

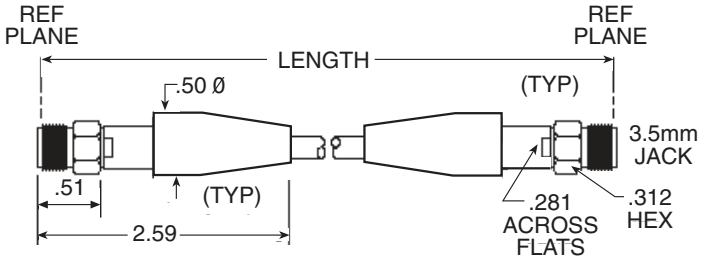
VSWR STABILITY → LESS THAN 0.02 THROUGH 26.5GHz.

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. ONE TIME BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-13 / +33	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	3.5 MM	

K CABLE ASSEMBLIES WITH 3.5 MM FEMALE CONNECTORS



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
CABLE SLEEVE:	POLYVINYLCHLORIDE	GREY
BOOTS:	RUBBER COMPOUND	GREY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKET:	ZZ-R-765 SILICON RUBBER	RED

SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED.

CABLES FORMED AT THE SPECIFIED BEND RADIUS MEET SPECIFICATIONS DETAILED HEREIN

PART NUMBER	LENGTH INCHES	+/- LENGTH	MAX. WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
				UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 26.5	
K-7474-012	12.0	0.25	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.42	0.52	0.76	0.98	1.24	30.5
K-7474-018	18.0	0.25	4.0	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.55	0.70	1.02	0.32	0.69	45.7
K-7474-024	24.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.69	0.87	1.29	1.66	2.13	61.0
K-7474-030	30.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.04	1.55	2.00	2.57	76.2
K-7474-036	36.0	0.36	5.0	1.10	1.15	1.20	1.25	1.30	1.35	0.66	0.96	1.21	1.81	2.35	3.02	91.4
K-7474-039	39.4	0.39	5.2	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.03	1.30	1.96	2.54	3.27	100.0
K-7474-042	42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.09	1.38	2.08	2.69	3.46	106.7
K-7474-048	48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.22	1.55	2.34	3.03	3.91	121.9
K-7474-054	54.0	0.54	6.1	1.10	1.15	1.20	1.25	1.30	1.35	0.93	1.36	1.72	2.60	3.37	4.35	137.2
K-7474-060	60.0	0.60	6.4	1.10	1.15	1.20	1.25	1.30	1.35	1.02	1.49	1.89	2.86	3.71	4.79	152.4
K-7474-072	72.0	0.72	7.1	1.10	1.15	1.20	1.25	1.30	1.35	1.20	1.76	2.23	3.39	4.40	5.68	182.9
K-7474-084	84.0	0.84	7.8	1.10	1.15	1.20	1.25	1.30	1.35	1.38	2.03	2.58	3.92	5.08	6.57	213.4
K-7474-096	96.0	0.96	8.5	1.10	1.15	1.20	1.25	1.30	1.35	1.56	2.30	2.92	4.44	5.77	7.45	243.8
K-7474-108	108.0	1.08	9.2	1.10	1.15	1.20	1.25	1.30	1.35	1.74	2.57	3.26	4.97	6.45	8.34	274.3
K-7474-120	120.0	1.20	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.92	2.83	3.60	5.50	7.14	9.23	304.8
K-7474-144	144.0	1.44	11.2	1.15	1.20	1.25	1.30	1.35	1.45	2.28	3.37	4.29	6.55	8.51	11.00	365.8
K-7474-168	168.0	1.68	12.6	1.15	1.20	1.25	1.30	1.35	1.45	2.64	3.91	4.97	7.60	9.87	12.77	426.7
K-7474-180	180.0	1.80	13.3	1.15	1.20	1.25	1.30	1.35	1.45	2.82	4.18	5.31	8.13	10.56	13.66	457.2

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

FOR ADDITIONAL CATALOGS
CALL "THE CATALOG REQUEST LINE"
1-800-362-3539

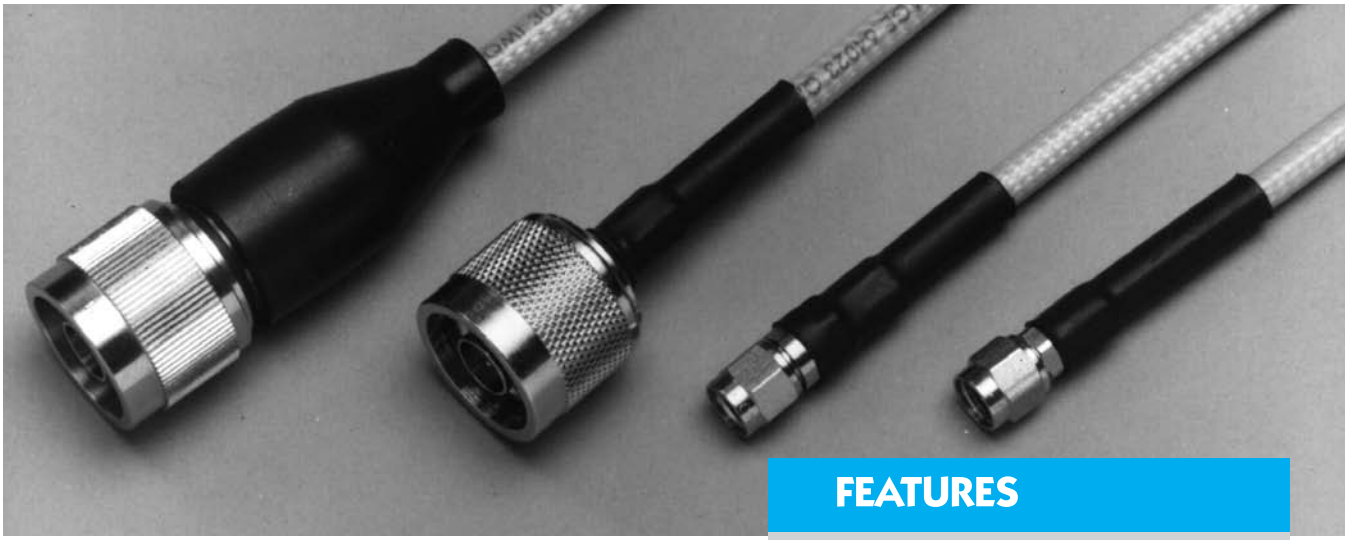
CALL 1-800-362-FLEX
FOR ADDITIONAL INFORMATION

CHECK OUT TENSOLITE'S WEB SITE:
www.tensolite.com

EMAIL US AT rfmicrowave@tensolite.com

FAX: 360-759-4016

LOW COST, LOW LOSS 18 GHz "301" CABLE ASSEMBLIES



DESCRIPTION

Tensolite's newly developed *LOW COST, LOW LOSS* "301" cable ends the 3-way compromise users face when defining insertion loss for higher frequency, flexible cable assemblies. Historically low loss meant high price or reduced flexibility. "301" cable is a microporous PTFE design in .200" diameter that offers all three advantages: low loss, low price and excellent flexibility.

"301" *LOW COST, LOW LOSS* assemblies help the designer achieve system performance goals while retaining the flexibility of braided cables. Alternatively, "301" cables may be used to replace .141" diameter semi-rigid or .250" diameter corrugated copper cables.

APPLICATIONS

- Small/weak signal situations
- Transmit/Receive systems
- Performance upgrades
- Cost reduction efforts
- Replacing semi-rigid or .250" corrugated

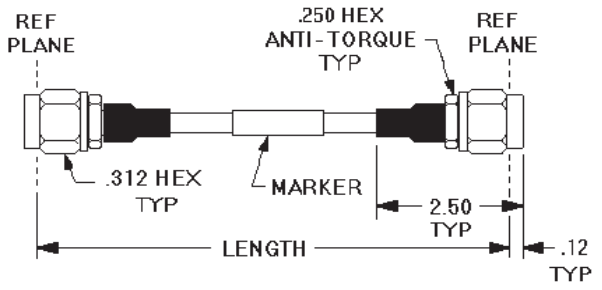
FEATURES

- Low insertion loss
- Microporous PTFE dielectric
- Low unit price
- Increased flexibility
- Available with Type N or SMA connectors
- Triple shielded
- Selected lengths in stock for immediate delivery

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				25.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				80.0	%	
RELATIVE SHIELDING:				<-90	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.27	ns/FOOT	
ELECTRICAL DELAY:				106	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	322	226	158	128	89	72

SMA MALE TO SMA MALE ON 301 CABLE.



MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.200	INCHES
MIN. BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	60	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	L-P-389 FEP	GREY TINT
MARKER :	MIL-I-23053/5	WHITE / BLACK MARKING
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY	ASTM-A-582, STAINLESS STEEL	QQ-P-35, PASSIVATED
SMA NUT	ASTM-A-582, STAINLESS STEEL	QQ-P-35, PASSIVATED
GASKETS:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-301- 3206		6.00	0.25	1.5	1.15	1.18	1.20	1.25	1.30	1.50	0.10	0.14	0.19	0.23	0.32	0.41	0.64	15.2
1-3636-301- 3207		7.00	0.25	1.6	1.15	1.18	1.20	1.25	1.30	1.50	0.11	0.15	0.21	0.25	0.35	0.45	0.74	17.8
1-3636-301- 3208		8.00	0.25	1.6	1.15	1.18	1.20	1.25	1.30	1.50	0.12	0.16	0.22	0.27	0.37	0.48	0.85	20.3
1-3636-301- 3209		9.00	0.25	1.7	1.15	1.18	1.20	1.25	1.30	1.50	0.13	0.17	0.24	0.28	0.40	0.52	0.95	22.9
1-3636-301- 3210		10.00	0.25	1.7	1.15	1.18	1.20	1.25	1.30	1.50	0.13	0.18	0.25	0.30	0.43	0.55	1.06	25.4
1-3636-301- 3211		11.00	0.25	1.8	1.15	1.18	1.20	1.25	1.30	1.50	0.14	0.19	0.27	0.32	0.46	0.59	1.16	27.9
1-3636-301- 3212		12.00	0.25	1.8	1.15	1.18	1.20	1.25	1.30	1.50	0.15	0.20	0.28	0.34	0.48	0.62	1.27	30.5
1-3636-301- 3213		13.00	0.25	1.9	1.15	1.18	1.20	1.25	1.30	1.50	0.16	0.21	0.30	0.36	0.51	0.66	1.38	33.0
1-3636-301- 3214		14.00	0.25	1.9	1.15	1.18	1.20	1.25	1.30	1.50	0.16	0.22	0.31	0.38	0.54	0.69	1.48	35.6
1-3636-301- 3215		15.00	0.25	2.0	1.15	1.18	1.20	1.25	1.30	1.50	0.17	0.23	0.33	0.40	0.57	0.72	1.59	38.1
1-3636-301- 3216		16.00	0.25	2.1	1.15	1.18	1.20	1.25	1.30	1.50	0.18	0.24	0.35	0.42	0.60	0.76	1.69	40.6
1-3636-301- 3217		17.00	0.25	2.1	1.15	1.18	1.20	1.25	1.30	1.50	0.19	0.25	0.36	0.44	0.62	0.79	1.80	43.2
1-3636-301- 3218		18.00	0.25	2.2	1.15	1.18	1.20	1.25	1.30	1.50	0.19	0.26	0.38	0.46	0.65	0.83	1.91	45.7
1-3636-301- 3219		19.00	0.25	2.2	1.15	1.18	1.20	1.25	1.30	1.50	0.20	0.28	0.39	0.47	0.68	0.86	2.01	48.3
1-3636-301- 3220		20.00	0.25	2.3	1.15	1.18	1.20	1.25	1.30	1.50	0.21	0.29	0.41	0.49	0.71	0.90	2.12	50.8
1-3636-301- 3221		21.00	0.25	2.3	1.15	1.18	1.20	1.25	1.30	1.50	0.22	0.30	0.42	0.51	0.73	0.93	2.22	53.3
1-3636-301- 3222		22.00	0.25	2.4	1.15	1.18	1.20	1.25	1.30	1.50	0.22	0.31	0.44	0.53	0.76	0.97	2.33	55.9
1-3636-301- 3223		23.00	0.25	2.4	1.15	1.18	1.20	1.25	1.30	1.50	0.23	0.32	0.45	0.55	0.79	1.00	2.44	58.4
1-3636-301- 3224	F	24.00	0.25	2.5	1.15	1.18	1.20	1.25	1.30	1.50	0.24	0.33	0.47	0.57	0.82	1.03	2.54	61.0
1-3636-301- 3225		25.00	0.25	2.5	1.15	1.18	1.20	1.25	1.30	1.50	0.25	0.34	0.48	0.59	0.84	1.07	2.65	63.5
1-3636-301- 3226		26.00	0.26	2.6	1.15	1.18	1.20	1.25	1.30	1.50	0.25	0.35	0.50	0.61	0.87	1.10	2.75	66.0
1-3636-301- 3227		27.00	0.27	2.6	1.15	1.18	1.20	1.25	1.30	1.50	0.26	0.36	0.51	0.63	0.90	1.14	2.86	68.6
1-3636-301- 3228		28.00	0.28	2.7	1.15	1.18	1.20	1.25	1.30	1.50	0.27	0.37	0.53	0.65	0.93	1.17	2.97	71.1
1-3636-301- 3229		29.00	0.29	2.7	1.15	1.18	1.20	1.25	1.30	1.50	0.28	0.38	0.54	0.66	0.95	1.21	3.07	73.7
1-3636-301- 3230		30.00	0.30	2.8	1.15	1.18	1.20	1.25	1.30	1.50	0.28	0.39	0.56	0.68	0.98	1.24	3.18	76.2
1-3636-301- 3231		31.00	0.31	2.9	1.15	1.18	1.20	1.25	1.30	1.50	0.29	0.40	0.58	0.70	1.01	1.28	3.28	78.7
1-3636-301- 3232		32.00	0.32	2.9	1.15	1.18	1.20	1.25	1.30	1.50	0.30	0.41	0.59	0.72	1.04	1.31	3.39	81.3
1-3636-301- 3233		33.00	0.33	3.0	1.15	1.18	1.20	1.25	1.30	1.50	0.31	0.42	0.61	0.74	1.06	1.35	3.49	83.8
1-3636-301- 3234		34.00	0.34	3.0	1.15	1.18	1.20	1.25	1.30	1.50	0.31	0.44	0.62	0.76	1.09	1.38	3.60	86.4
1-3636-301- 3235		35.00	0.35	3.1	1.15	1.18	1.20	1.25	1.30	1.50	0.32	0.45	0.64	0.78	1.12	1.41	3.71	88.9
1-3636-301- 3236	F	36.00	0.36	3.1	1.15	1.18	1.20	1.25	1.30	1.50	0.33	0.46	0.65	0.80	1.15	1.45	3.81	91.4
1-3636-301- 3239		39.00	0.39	3.3	1.15	1.18	1.20	1.25	1.30	1.50	0.35	0.49	0.70	0.85	1.23	1.55	4.13	99.1
1-3636-301- 3242		42.00	0.42	3.4	1.15	1.18	1.20	1.25	1.30	1.50	0.37	0.52	0.74	0.91	1.31	1.66	4.45	106.7
1-3636-301- 3248		48.00	0.48	3.8	1.15	1.18	1.20	1.25	1.30	1.50	0.42	0.59	0.84	1.03	1.48	1.86	5.08	121.9

F = FACTORY STANDARD ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

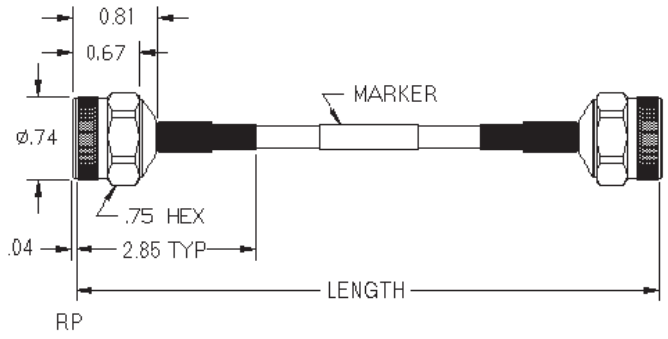
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				25.4	pf/FOOT	
RELATIVE SHIELDING:				>-90	dB MIN.	
VELOCITY OF PROPAGATION, NOMINAL:				80.0	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY:				1.27	ns/FOOT	
ELECTRICAL DELAY:				106	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	322	226	158	128	89	72

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	60	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	10-15	INCH POUNDS
TYPE N CONNECTOR INTERFACE:	MIL-STD-348	(WITH SOLID OUTER)

TYPE N MALES ON 301 LOW LOSS CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	FEP	GREY TINT
MARKER:	MIL-I-23053/5	WHITE / BLACK MARKING
BOOTS:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
BODIES:	ASTM-B-16, BRASS	QQ-S-365, SILVER PLATED
NUTS:	ASTM-B-16, BRASS	QQ-N-290, NICKEL PLATED
GASKETS:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-1818-301- 3206		6.0	0.25	2.4	1.10	1.15	1.20	1.25	1.30	1.35	0.11	0.16	0.23	0.27	0.38	0.49	0.64	15.2
1-1818-301- 3207		7.0	0.25	2.5	1.10	1.15	1.20	1.25	1.30	1.35	0.12	0.17	0.24	0.29	0.41	0.52	0.74	17.8
1-1818-301- 3208		8.0	0.25	2.5	1.10	1.15	1.20	1.25	1.30	1.35	0.13	0.18	0.26	0.31	0.43	0.55	0.85	20.3
1-1818-301- 3209		9.0	0.25	2.6	1.10	1.15	1.20	1.25	1.30	1.35	0.14	0.19	0.27	0.33	0.46	0.59	0.95	22.9
1-1818-301- 3210		10.0	0.25	2.7	1.10	1.15	1.20	1.25	1.30	1.35	0.14	0.20	0.29	0.34	0.49	0.62	1.06	25.4
1-1818-301- 3211		11.0	0.25	2.7	1.10	1.15	1.20	1.25	1.30	1.35	0.15	0.21	0.30	0.36	0.51	0.65	1.16	27.9
1-1818-301- 3212		12.0	0.25	2.8	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.22	0.32	0.38	0.54	0.68	1.27	30.5
1-1818-301- 3213		13.0	0.25	2.8	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.23	0.33	0.40	0.56	0.72	1.38	33.0
1-1818-301- 3214		14.0	0.25	2.9	1.10	1.15	1.20	1.25	1.30	1.35	0.17	0.25	0.35	0.42	0.59	0.75	1.48	35.6
1-1818-301- 3215		15.0	0.25	3.0	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.26	0.36	0.44	0.62	0.78	1.59	38.1
1-1818-301- 3216		16.0	0.25	3.0	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.27	0.38	0.45	0.64	0.81	1.69	40.6
1-1818-301- 3217		17.0	0.25	3.1	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.28	0.39	0.47	0.67	0.85	1.80	43.2
1-1818-301- 3218		18.0	0.25	3.1	1.10	1.15	1.20	1.25	1.30	1.35	0.20	0.29	0.41	0.49	0.69	0.88	1.91	45.7
1-1818-301- 3219		19.0	0.25	3.2	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.30	0.42	0.51	0.72	0.91	2.01	48.3
1-1818-301- 3220		20.0	0.25	3.2	1.10	1.15	1.20	1.25	1.30	1.35	0.22	0.31	0.44	0.53	0.75	0.94	2.12	50.8
1-1818-301- 3221		21.0	0.25	3.3	1.10	1.15	1.20	1.25	1.30	1.35	0.22	0.32	0.45	0.54	0.77	0.98	2.22	53.3
1-1818-301- 3222		22.0	0.25	3.4	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.33	0.46	0.56	0.80	1.01	2.33	55.9
1-1818-301- 3223		23.0	0.25	3.4	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.34	0.48	0.58	0.83	1.04	2.44	58.4
1-1818-301- 3224		24.0	0.25	3.5	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.35	0.49	0.60	0.85	1.07	2.54	61.0
1-1818-301- 3225		25.0	0.25	3.5	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.36	0.51	0.62	0.88	1.11	2.65	63.5
1-1818-301- 3226		26.0	0.26	3.6	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.37	0.52	0.64	0.90	1.14	2.75	66.0
1-1818-301- 3227		27.0	0.27	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.27	0.38	0.54	0.65	0.93	1.17	2.86	68.6
1-1818-301- 3228		28.0	0.28	3.7	1.10	1.15	1.20	1.25	1.30	1.35	0.27	0.39	0.55	0.67	0.96	1.20	2.97	71.1
1-1818-301- 3229		29.0	0.29	3.8	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.40	0.57	0.69	0.98	1.24	3.07	73.7
1-1818-301- 3230		30.0	0.30	3.8	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.41	0.58	0.71	1.01	1.27	3.18	76.2
1-1818-301- 3231		31.0	0.31	3.9	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.42	0.60	0.73	1.03	1.30	3.28	78.7
1-1818-301- 3232		32.0	0.32	4.0	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.43	0.61	0.74	1.06	1.33	3.39	81.3
1-1818-301- 3233		33.0	0.33	4.0	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.44	0.63	0.76	1.09	1.37	3.49	83.8
1-1818-301- 3234		34.0	0.34	4.1	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.45	0.64	0.78	1.11	1.40	3.60	86.4
1-1818-301- 3235		35.0	0.35	4.1	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.46	0.66	0.80	1.14	1.43	3.71	88.9
1-1818-301- 3236		36.0	0.36	4.2	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.47	0.67	0.82	1.17	1.46	3.81	91.4
1-1818-301- 3239		39.0	0.39	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.50	0.72	0.87	1.24	1.56	4.13	99.1
1-1818-301- 3240		40.0	0.40	4.4	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.51	0.73	0.89	1.27	1.59	4.24	101.6
1-1818-301- 3241		41.0	0.41	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.52	0.74	0.91	1.30	1.63	4.34	104.1
1-1818-301- 3242		42.0	0.42	4.5	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.53	0.76	0.93	1.32	1.66	4.45	106.7
1-1818-301- 3245		45.0	0.45	4.7	1.10	1.15	1.20	1.25	1.30	1.35	0.40	0.57	0.80	0.98	1.40	1.76	4.77	114.3
1-1818-301- 3248		48.0	0.48	4.9	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.60	0.85	1.04	1.48	1.85	5.08	121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

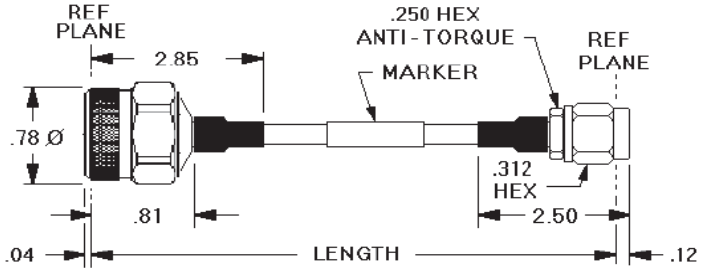
ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				25.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				80.0	%	
RELATIVE SHIELDING:				<-90	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.27	ns/FOOT	
ELECTRICAL DELAY:				106	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	322	226	158	128	89	72

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. BEND RADIUS:	1.00	INCHES
PREFERRED BEND RADIUS:	4.00	INCHES
CONNECTOR RETENTION:	60	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	7-10 SMA 10-15 N	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	(N WITH SOLID OUTER)

TYPE N MALE TO SMA MALE ON 301 CABLE.



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	L-P-389 FEP	GREY TINT
MARKER :	MIL-I-23053/5	WHITE / BLACK MARKING
BOOT:	MIL-I-23053/4	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY	ASTM-A-582, STAINLESS STEEL	QQ-P-35, PASSIVATED
SMA NUT	ASTM-A-582, STAINLESS STEEL	QQ-P-35, PASSIVATED
TYPE N BODY:	ASTM-B-16, BRASS	QQ-S-365, SILVER PLATED
TYPE N NUT:	ASTM-B-16, BRASS	QQ-N-290, NICKEL PLATED
GASKETS:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-1836-301- 3206		6.00	0.25	1.5	1.15	1.18	1.20	1.25	1.30	1.50	0.15	0.21	0.29	0.35	0.49	0.63	0.64	15.2
1-1836-301- 3207		7.00	0.25	1.6	1.15	1.18	1.20	1.25	1.30	1.50	0.16	0.22	0.31	0.37	0.52	0.66	0.74	17.8
1-1836-301- 3208		8.00	0.25	1.6	1.15	1.18	1.20	1.25	1.30	1.50	0.17	0.23	0.32	0.39	0.55	0.70	0.85	20.3
1-1836-301- 3209		9.00	0.25	1.7	1.15	1.18	1.20	1.25	1.30	1.50	0.18	0.24	0.34	0.41	0.58	0.73	0.95	22.9
1-1836-301- 3210		10.00	0.25	1.7	1.15	1.18	1.20	1.25	1.30	1.50	0.18	0.25	0.35	0.43	0.60	0.76	1.06	25.4
1-1836-301- 3211		11.00	0.25	1.8	1.15	1.18	1.20	1.25	1.30	1.50	0.19	0.26	0.37	0.44	0.63	0.80	1.16	27.9
1-1836-301- 3212		12.00	0.25	1.8	1.15	1.18	1.20	1.25	1.30	1.50	0.20	0.27	0.38	0.46	0.66	0.83	1.27	30.5
1-1836-301- 3213		13.00	0.25	1.9	1.15	1.18	1.20	1.25	1.30	1.50	0.21	0.28	0.40	0.48	0.69	0.87	1.38	33.0
1-1836-301- 3214		14.00	0.25	1.9	1.15	1.18	1.20	1.25	1.30	1.50	0.21	0.29	0.41	0.50	0.71	0.90	1.48	35.6
1-1836-301- 3215		15.00	0.25	2.0	1.15	1.18	1.20	1.25	1.30	1.50	0.22	0.30	0.43	0.52	0.74	0.94	1.59	38.1
1-1836-301- 3216		16.00	0.25	2.1	1.15	1.18	1.20	1.25	1.30	1.50	0.23	0.31	0.45	0.54	0.77	0.97	1.69	40.6
1-1836-301- 3217		17.00	0.25	2.1	1.15	1.18	1.20	1.25	1.30	1.50	0.24	0.32	0.46	0.56	0.80	1.01	1.80	43.2
1-1836-301- 3218		18.00	0.25	2.2	1.15	1.18	1.20	1.25	1.30	1.50	0.24	0.34	0.48	0.58	0.82	1.04	1.91	45.7
1-1836-301- 3219		19.00	0.25	2.2	1.15	1.18	1.20	1.25	1.30	1.50	0.25	0.35	0.49	0.60	0.85	1.07	2.01	48.3
1-1836-301- 3220		20.00	0.25	2.3	1.15	1.18	1.20	1.25	1.30	1.50	0.26	0.36	0.51	0.62	0.88	1.11	2.12	50.8
1-1836-301- 3221		21.00	0.25	2.3	1.15	1.18	1.20	1.25	1.30	1.50	0.27	0.37	0.52	0.64	0.91	1.14	2.22	53.3
1-1836-301- 3222		22.00	0.25	2.4	1.15	1.18	1.20	1.25	1.30	1.50	0.27	0.38	0.54	0.65	0.93	1.18	2.33	55.9
1-1836-301- 3223		23.00	0.25	2.4	1.15	1.18	1.20	1.25	1.30	1.50	0.28	0.39	0.55	0.67	0.96	1.21	2.44	58.4
1-1836-301- 3224	F	24.00	0.25	2.5	1.15	1.18	1.20	1.25	1.30	1.50	0.29	0.40	0.57	0.69	0.99	1.25	2.54	61.0
1-1836-301- 3225		25.00	0.25	2.5	1.15	1.18	1.20	1.25	1.30	1.50	0.30	0.41	0.58	0.71	1.02	1.28	2.65	63.5
1-1836-301- 3226		26.00	0.26	2.6	1.15	1.18	1.20	1.25	1.30	1.50	0.30	0.42	0.60	0.73	1.04	1.32	2.75	66.0
1-1836-301- 3227		27.00	0.27	2.6	1.15	1.18	1.20	1.25	1.30	1.50	0.31	0.43	0.61	0.75	1.07	1.35	2.86	68.6
1-1836-301- 3228		28.00	0.28	2.7	1.15	1.18	1.20	1.25	1.30	1.50	0.32	0.44	0.63	0.77	1.10	1.39	2.97	71.1
1-1836-301- 3229		29.00	0.29	2.7	1.15	1.18	1.20	1.25	1.30	1.50	0.33	0.45	0.64	0.79	1.13	1.42	3.07	73.7
1-1836-301- 3230		30.00	0.30	2.8	1.15	1.18	1.20	1.25	1.30	1.50	0.33	0.46	0.66	0.81	1.15	1.45	3.18	76.2
1-1836-301- 3231		31.00	0.31	2.9	1.15	1.18	1.20	1.25	1.30	1.50	0.34	0.47	0.68	0.83	1.18	1.49	3.28	78.7
1-1836-301- 3232		32.00	0.32	2.9	1.15	1.18	1.20	1.25	1.30	1.50	0.35	0.48	0.69	0.84	1.21	1.52	3.39	81.3
1-1836-301- 3233		33.00	0.33	3.0	1.15	1.18	1.20	1.25	1.30	1.50	0.36	0.50	0.71	0.86	1.24	1.56	3.49	83.8
1-1836-301- 3234		34.00	0.34	3.0	1.15	1.18	1.20	1.25	1.30	1.50	0.36	0.51	0.72	0.88	1.26	1.59	3.60	86.4
1-1836-301- 3235		35.00	0.35	3.1	1.15	1.18	1.20	1.25	1.30	1.50	0.37	0.52	0.74	0.90	1.29	1.63	3.71	88.9
1-1836-301- 3236	F	36.00	0.36	3.1	1.15	1.18	1.20	1.25	1.30	1.50	0.38	0.53	0.75	0.92	1.32	1.66	3.81	91.4
1-1836-301- 3239		39.00	0.39	3.3	1.15	1.18	1.20	1.25	1.30	1.50	0.40	0.56	0.80	0.98	1.40	1.76	4.13	99.1
1-1836-301- 3242		42.00	0.42	3.4	1.15	1.18	1.20	1.25	1.30	1.50	0.42	0.59	0.84	1.03	1.49	1.87	4.45	106.7
1-1836-301- 3248		48.00	0.48	3.8	1.15	1.18	1.20	1.25	1.30	1.50	0.47	0.66	0.94	1.15	1.65	2.07	5.08	121.9

F = FACTORY STANDARD ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

VISIT OUR WEB SITE AT http://www.tensolite.com

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	25.0	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	>-90	%
RELATIVE SHIELDING:	80	dB MIN.
INSU LATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY :	1.27	ns /FOOT
ELECTRICAL DELAY :	106	ps /INCH
MAX. PU LSE RF POWER:	1250	WATTS

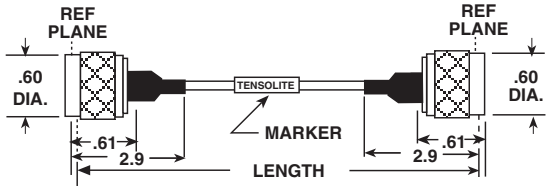
(INTO A 50 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)

F (IN GHz)→	1	2	4	6	12	18
MAX. CW WATTS →	700	500	350	290	180	140

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.200	INCHES
MIN. BEND RADIU S:	1.00	INCHES
PREFERRED BEND RADIU S:	4.00	INCHES
CONNECTOR RETENTION:	60	POU NDS MIN.
TEMPERATU RE RANGE:	-65 / + 105	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACES:	MIL-STD-348	(WITH SOLID OU TER)

TNC MALE TO TNC MALE ON 301 CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	L-P-389 FEP	GREY TINT
MARK ER:	VINY L	WHITE/CLEAR LAMINATE
BOOT:	MIL-I-23053/5	BLACK
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSU LATORS:	ASTM D1457 PTFE	NONE
TNC BODY :	ASTM B16 BRASS	QQ-S-365 SILVER PLATED
TNC NU T:	ASTM B16 BRASS	QQ-N-290 NICK EL PLATED
GASK ET:	ZZ-R-765 SILICON RU BBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE U SED	

PART NU MBER	LENGTH INCHES	+ - LENGTH	MAX. WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.)						MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
				U P TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	U P TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
1-3030-301- 3206	6.00	0.05	2.4	1.15	1.18	1.20	1.25	1.30	1.50	0.14	0.19	0.27	0.33	0.48	0.61	15.2
1-3030-301- 3207	7.00	0.05	2.4	1.15	1.18	1.20	1.25	1.30	1.50	0.15	0.20	0.28	0.35	0.51	0.64	17.8
1-3030-301- 3208	8.00	0.05	2.5	1.15	1.18	1.20	1.25	1.30	1.50	0.16	0.21	0.30	0.37	0.53	0.67	20.3
1-3030-301- 3209	9.00	0.10	2.6	1.15	1.18	1.20	1.25	1.30	1.50	0.17	0.22	0.31	0.39	0.56	0.70	22.9
1-3030-301- 3210	10.00	0.10	2.6	1.15	1.18	1.20	1.25	1.30	1.50	0.17	0.23	0.33	0.40	0.59	0.74	25.4
1-3030-301- 3211	11.00	0.10	2.7	1.15	1.18	1.20	1.25	1.30	1.50	0.18	0.24	0.34	0.42	0.61	0.77	27.9
1-3030-301- 3212	12.00	0.10	2.7	1.15	1.18	1.20	1.25	1.30	1.50	0.19	0.25	0.36	0.44	0.64	0.80	30.5
1-3030-301- 3213	13.00	0.10	2.8	1.15	1.18	1.20	1.25	1.30	1.50	0.19	0.26	0.37	0.46	0.66	0.83	33.0
1-3030-301- 3214	14.00	0.10	2.8	1.15	1.18	1.20	1.25	1.30	1.50	0.20	0.28	0.39	0.48	0.69	0.87	35.6
1-3030-301- 3215	15.00	0.15	2.9	1.15	1.18	1.20	1.25	1.30	1.50	0.21	0.29	0.40	0.50	0.72	0.90	38.1
1-3030-301- 3216	16.00	0.15	2.9	1.15	1.18	1.20	1.25	1.30	1.50	0.22	0.30	0.42	0.51	0.74	0.93	40.6
1-3030-301- 3217	17.00	0.15	3.0	1.15	1.18	1.20	1.25	1.30	1.50	0.22	0.31	0.43	0.53	0.77	0.96	43.2
1-3030-301- 3218	18.00	0.15	3.0	1.15	1.18	1.20	1.25	1.30	1.50	0.23	0.32	0.45	0.55	0.79	1.00	45.7
1-3030-301- 3219	19.00	0.15	3.1	1.15	1.18	1.20	1.25	1.30	1.50	0.24	0.33	0.46	0.57	0.82	1.03	48.3
1-3030-301- 3220	20.00	0.15	3.1	1.15	1.18	1.20	1.25	1.30	1.50	0.25	0.34	0.48	0.59	0.85	1.06	50.8
1-3030-301- 3221	21.00	0.15	3.2	1.15	1.18	1.20	1.25	1.30	1.50	0.25	0.35	0.49	0.60	0.87	1.09	53.3
1-3030-301- 3222	22.00	0.15	3.3	1.15	1.18	1.20	1.25	1.30	1.50	0.26	0.36	0.50	0.62	0.90	1.13	55.9
1-3030-301- 3223	23.00	0.15	3.3	1.15	1.18	1.20	1.25	1.30	1.50	0.27	0.37	0.52	0.64	0.93	1.16	58.4
1-3030-301- 3224	24.00	0.15	3.4	1.15	1.18	1.20	1.25	1.30	1.50	0.27	0.38	0.53	0.66	0.95	1.19	61.0
1-3030-301- 3225	25.00	0.15	3.4	1.15	1.18	1.20	1.25	1.30	1.50	0.28	0.39	0.55	0.68	0.98	1.22	63.5
1-3030-301- 3226	26.00	0.15	3.5	1.15	1.18	1.20	1.25	1.30	1.50	0.29	0.40	0.56	0.70	1.00	1.26	66.0
1-3030-301- 3227	27.00	0.15	3.5	1.15	1.18	1.20	1.25	1.30	1.50	0.30	0.41	0.58	0.71	1.03	1.29	68.6
1-3030-301- 3228	28.00	0.15	3.6	1.15	1.18	1.20	1.25	1.30	1.50	0.30	0.42	0.59	0.73	1.06	1.32	71.1
1-3030-301- 3229	29.00	0.15	3.6	1.15	1.18	1.20	1.25	1.30	1.50	0.31	0.43	0.61	0.75	1.08	1.35	73.7
1-3030-301- 3230	30.00	0.15	3.7	1.15	1.18	1.20	1.25	1.30	1.50	0.32	0.44	0.62	0.77	1.11	1.39	76.2
1-3030-301- 3231	31.00	0.15	3.7	1.15	1.18	1.20	1.25	1.30	1.50	0.32	0.45	0.64	0.79	1.13	1.42	78.7
1-3030-301- 3232	32.00	0.15	3.8	1.15	1.18	1.20	1.25	1.30	1.50	0.33	0.46	0.65	0.80	1.16	1.45	81.3
1-3030-301- 3233	33.00	0.15	3.8	1.15	1.18	1.20	1.25	1.30	1.50	0.34	0.47	0.67	0.82	1.19	1.48	83.8
1-3030-301- 3234	34.00	0.15	3.9	1.15	1.18	1.20	1.25	1.30	1.50	0.35	0.48	0.68	0.84	1.21	1.52	86.4
1-3030-301- 3235	35.00	0.15	3.9	1.15	1.18	1.20	1.25	1.30	1.50	0.35	0.49	0.70	0.86	1.24	1.55	88.9
1-3030-301- 3236	36.00	0.15	4.0	1.15	1.18	1.20	1.25	1.30	1.50	0.36	0.50	0.71	0.88	1.27	1.58	91.4
1-3030-301- 3239	39.00	0.15	4.2	1.15	1.18	1.20	1.25	1.30	1.50	0.38	0.53	0.76	0.93	1.34	1.68	99.1
1-3030-301- 3242	42.00	0.15	4.3	1.15	1.18	1.20	1.25	1.30	1.50	0.40	0.56	0.80	0.99	1.42	1.78	106.7
1-3030-301- 3248	48.00	0.20	4.6	1.15	1.18	1.20	1.25	1.30	1.50	0.45	0.63	0.89	1.10	1.58	1.97	121.9
1-3030-301- 3254	54.00	0.20	5.0	1.15	1.18	1.20	1.25	1.30	1.50	0.49	0.69	0.98	1.21	1.74	2.17	137.2
1-3030-301- 3260	60.00	0.20	5.3	1.15	1.18	1.20	1.25	1.30	1.50	0.54	0.75	1.07	1.31	1.89	2.36	152.4
1-3030-301- 3266	66.00	0.20	5.6	1.15	1.18	1.20	1.25	1.30	1.50	0.58	0.81	1.15	1.42	2.05	2.56	167.6
1-3030-301- 3272	72.00	0.20	5.9	1.15	1.18	1.20	1.25	1.30	1.50	0.62	0.87	1.24	1.53	2.21	2.75	182.9
1-3030-301- 3278	78.00	0.20	6.2	1.15	1.18	1.20	1.25	1.30	1.50	0.67	0.94	1.33	1.64	2.37	2.95	198.1
1-3030-301- 3284	84.00	0.20	6.6	1.15	1.18	1.20	1.25	1.30	1.50	0.71	1.00	1.42	1.75	2.52	3.14	213.4
1-3030-301- 3290	90.00	0.20	6.9	1.15	1.18	1.20	1.25	1.30	1.50	0.75	1.06	1.51	1.86	2.68	3.34	228.6
1-3030-301- 3296	96.00	0.20	7.2	1.15	1.18	1.20	1.25	1.30	1.50	0.80	1.12	1.60	1.97	2.84	3.53	243.8
1-3030-301- 3299	99.00	0.20	7.4	1.15	1.18	1.20	1.25	1.30	1.50	0.82	1.15	1.64	2.02	2.92	3.63	251.5

MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M PLU S MEASU RING SY STEM U NCERTAINTY .

INSERTION LOSS NOTE: PRODU CT VERIFICATION SPECIFICATION INCLU DES MEASU RING SY STEM U NCERTAINTY AND TEST ADAPTER(S) LISTED BELOW.

NOTE: PRODU CT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY .

PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY , CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS.

FOR ADDITIONAL CATALOGS
CALL "THE CATALOG REQUEST LINE"
1-800-362-3539

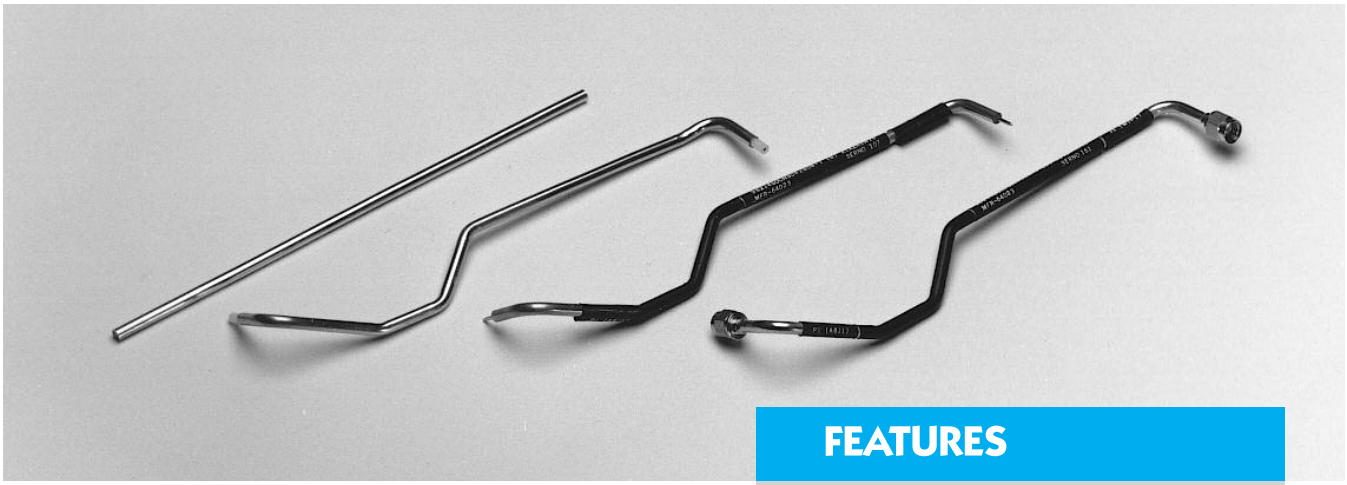
CALL 1-800-362-FLEX
FOR ADDITIONAL INFORMATION

CHECK OUT TENSOLITE'S WEB SITE:
www.tensolite.com

EMAIL US AT rfmicrowave@tensolite.com

FAX: 360-759-4016

CUSTOM BUILT SEMI-RIGID CABLE ASSEMBLIES



DESCRIPTION

Tensolite's semi-rigid cable assemblies are among the highest quality assemblies available today. We **custom build** these cables to your specifications. Upon request we will offer suggestions for materials and forming to meet specific goals.

Tensolite uses only the highest quality MIL spec semi-rigid cable. An infinite variety of commercial, QPL, and custom connectors are available including our own high performance SMA's. All soldering is done in a **MIL-STD-2000** environment by certified assemblers. We maintain a MIL-I-45208A inspection system with the calibration, sampling procedures and documentation to meet your most demanding requirements.

APPLICATIONS

- Military or Commercial O.E.M.
- Test equipment
- High shielding environments
- Low cost RF transmission needs

FEATURES

- MIL-STD-2000 certified assemblers
- Computerized forming equipment
- In-house test capability through 50 GHz
- Tight phase matching capability
- Large selection of cable sizes, material options and connectors
- Custom marking
- Rapid delivery

MECHANICAL AND ELECTRICAL SPECIFICATIONS OF POPULAR[1] MIL-C-17 SEMI-RIGID CABLES @ AMBIENT

M17/# or other#	Nom. O.D. (inches)	Operating Frequency		Power Handling @Max MILSpec Freq. (Watts)	Maximum Attenuation (db/100 FT)							Dielectric Material	Jacket Material	Center Conductor Material	Minimum Inside Bend Radius (inches)	Continuous Working Voltage	Withstanding Voltage (RMS)	Operating Temp. Range(°C)
		MIL Spec. Max.	90% Cut Off		500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	20 GHz							
/151-00001	.047	20	109	6.5	28	40	70	90	130	180	190	PTFE	COPPER	SPCW*	.125	1000	2000	-40 to +100
696	.047	20	109	6.5	28	40	70	90	130	180	190	PTFE	COPPER	SPC**	.125	1000	2000	-40 to +100
/133-RG405 & /133-00006[2]	.085	20	61	20	15	22	38	50	80	122	130	PTFE	COPPER	SPCW*	.125	1500	5000	-40 to +125
/133-00002 & /133-00008[2]	.085	20	61	20	15	22	38	50	80	122	130	PTFE	COPPER	SPC**	.125	1500	5000	-40 to +125
/130-RG402 & /130 00004[2]	.141	20	34	70	8	12	21	29	45	62	70	PTFE	COPPER	SPCW*	.250	1900	5000	-40 to +125
675	.141	20	34	70	8	12	21	29	45	62	70	PTFE	COPPER	SPC**	.250	1900	5000	-40 to +125
/129-RG401	.250	18	19	200	5.1	7.5	11	16	33	48		PTFE	COPPER	SPC**	.375	3000	7500	-40 to +90

*Silver plated copper clad steel.
**Silver plated copper.

Follow these guidelines for the best performing lowest cost and shortest lead time assemblies:

A. DIMENSIONS
Drawing layout should be in absolute XYZ format with one connector interface reference plane the 0,0,0 point from which all subsequent measurements are made. This eliminates a build up of tolerances.

E. CONNECTORS
Specify SMA plugs whenever possible. Tensolite's SMA's easily out perform most SMA's available today. Avoid unusual connector designs as well as unpopular items such as bulkheads or panel mounts. Allow "equivalents" to increase the probability of availability or lower costs.

[1]Other cable diameters and material plating options exist. Consult Tensolite for more information

[2]Soft annealed copper jacket.

B. TOLERANCES
0-4" lengths: ±0.03
4-12" lengths: ±0.05
>12" lengths: ±(0.05) x (length)
Example: A cable with two bends and three legs 3", 5", and 10" long would have leg tolerances of ±.03", ±.05", and ±.09" respectively. The furthest end of the 10" leg length is 18" from the 0,0,0 point.

F. CABLE
Semi-rigid cable is available in standard as well as soft copper outer jackets. One may choose from a wide assortment of jacket and center conductor platings. A selection of the more popular options are listed above. If no requirement other than O.D. is specified, Tensolite uses soft jacketed, steel center conductor cable.

C. BENDS
For best performance do not exceed the minimum inside bend radii specified in the table above. To allow optimum use of computerized forming equipment and eliminate tooling:
1. Use the same radius dimension within a given assembly.
2. Do not specify a radius greater than 0.5".
3. Allow a minimum .150" of straight cable between bends.

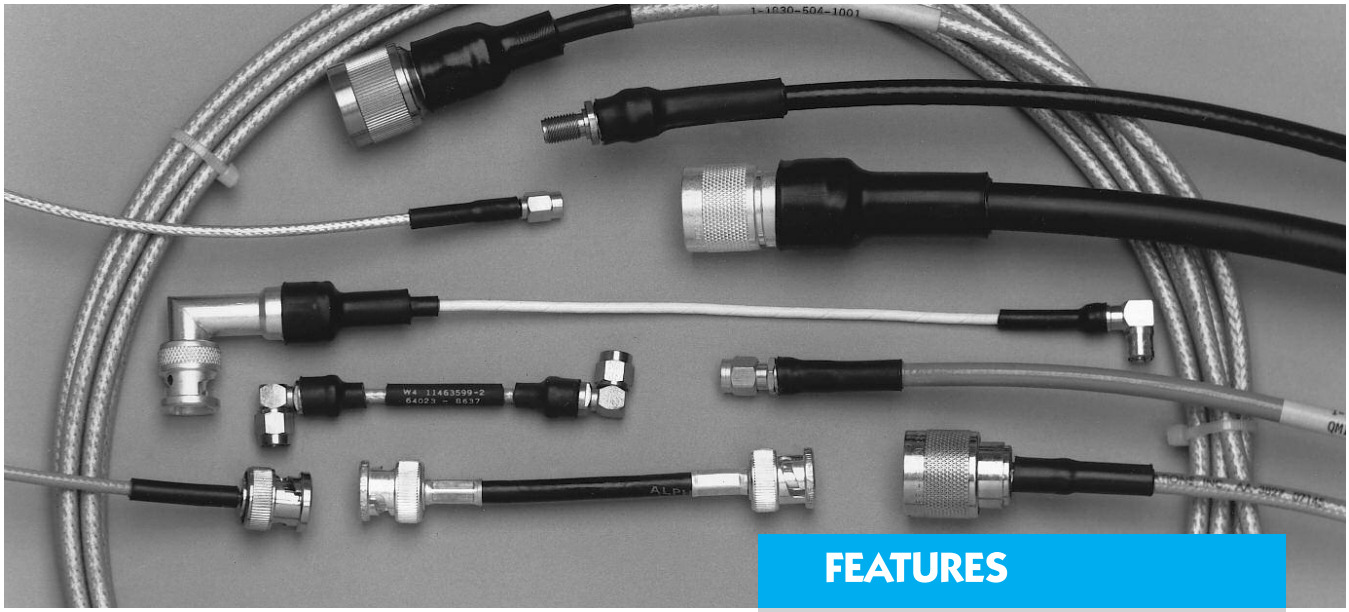
G. DRAWINGS
Ensure drawings are complete with all dimensions, views, materials, tolerances, proper scale, electrical and environmental requirements. Obtain from Tensolite a special part number uniquely assigned to your print before releasing the final document.

D. MARKERS
Use commonly available MIL spec or commercial shrink marker material in high contrast black with white characters, two lines/marker maximum. Wrap markers are less costly on small quantity, quick delivery orders. Avoid serialization and one-of-a-kind markers.

H. PACKAGING
Unless otherwise specified cables are individually sealed in plastic bags, wrapped in wadding and sealed in heavy duty outer containers to prevent damage during shipping.

Remember, these are just guidelines. If you must exceed them consult Tensolite for more information.

RF/MICROWAVE CABLE ASSEMBLIES



DESCRIPTION

Tensolite's 3000 series cable assemblies are designed with the goal of cost effectiveness while continuing to provide the quality and workmanship for which we are best known.

These assemblies are available using almost ANY MIL-C-17 flexible cable and many custom cables, a selection of which is listed on the next page. Tensolite uses commercially available crimp style, non-captive contact connectors. All finishes and dimensions are IAW MIL-C-39012. Attachment strain relief is achieved through the use of MIL-I-23053 shrink tubing.

APPLICATIONS

- O.E.M.
- Aftermarket replacement
- Within test equipment
- Between test equipment hook-up
- Commercial/Telecommunications

FEATURES

- Microwave frequency operation
- Highest quality commercial connectors
- MIL SPEC or custom cables
- Large selection
- Proven attachment methods
- Cost effective
- Quick delivery

MECHANICAL AND ELECTRICAL SPECIFICATIONS OF MIL-C-17 FLEXIBLE CABLES & AMBIENT

M17/# or other#	Assy Cable Code	Max. Operating Freq. (GHz)	Power Handling @Max. Freq. (Watts)	Maximum Attenuation (db/100 FT)									Dielectric Material	Jacket Material	Nom. O.D. (inches)	# of braids	Relative Shielding[1] (db)	Minimum Bend Radius (inches)	Withstanding Voltage (RMS)[2]	Operating Temp. Range(°C)	Cable/Connector Compatibility Guide						
				100 MHz	400 MHz	1 GHz	3 GHz	5 GHz	8 GHz	10 GHz	12.0 GHz	18 GHz									BNC	TNC	N	SMA	SSMA	SMB	SMC
/28-RG58	115	1.0	33.0	6.5	17.0	28.0							PE	PVC	0.195	1	40	1.0	5,000	-40 to +85	X	X	X	X			
/60-RG142	132	8.0	180.0	5.5	11.7	19.0	35.0	48.0	66.0				PTFE	FEP	0.195	2	60	1.0	5,000	-55 to +200	X	X	X	X			
/75-RG214	163	11.0	30.0	2.6	6.8	12.0	25.0	35.0	48.0	56.0			PE	PVC	0.425	2	60	2.0	10,000	-40 to +85	X	X	X				
/84-RG223	174	12.4	10.5	6.5	12.0	21.0	40.0	55.0		84.0	90.0		PE	PVC	0.212	2	60	1.0	5,000	-40 to +85	X	X	X	X			
/93-RG178	140	3.0	44.0	16.0	33.0	52.0	94.0		74.0				PTFE	FEP	0.071	1	40	0.4	5,000	-55 to +200	X	X		X	X	X	X
/113-RG316	187	3.0	77.0	11.0	21.0	38.0	58.0						PTFE	FEP	0.098	1	40	0.5	2,000	-55 to +200	X	X		X	X	X	X
/128-RG400	190	12.4	144.0	4.5	10.5	17.0	38.0	50.0	66.0	78.0	88.0		PTFE	FEP	0.195	2	40	1.1	5,000	-55 to +200	X	X	X	X			
/138-00001 (RG188A)	Replaced with RG 316.																										
/152A Double braided RG316	195	12.4	37.0	9.3	19.0	30.8	55.6	73.9	106.2	110.0	122.4		PTFE	FEP	0.118	2	60	0.6	2,000	-55 to +200	X	X		X	X	X	X
SF142B	402	8.0	110.0	4.0	8.2	13.4	24.9	33.6	44.7	51.3	57.6	74.8	PTFE	FEP	0.195	2+	90	1.0	5,000	-55 to +200	X	X	X	X			
SF214	404	13.7	48.0	2.3	4.6	8.4	16.6	23.3		37.7	42.7		PE	PVC	0.425	2+	90	2.1	10,000	-55 to +80	X	X	X				
Custom cable	510	8.0	14.0	5.3	11.1	18.7	36.1	49.9	68.0				PE	PUR	0.212	2+	100	1.1	5,000	-65 to +80	X	X	X	X			
Custom cable	511	8.0	5.0	9.3	19.3	31.7	59.0	79.7	106.2				PE	PUR	0.119	2+	100	0.6	4,500	-65 to +80	X	X		X	X	X	X

How to Order:

Designate the desired assembly by choosing from the available cables above and connectors from the matrix to the far right. Insert the codes at the appropriate location as noted in the example. Connector codes should be listed in increasing numerical sequence. Contact Tensolite for cables and connectors not shown.

ABBREVIATIONS

FEP . . . . . .Fluorinated ethylene propylene
PE . . . . . .Polyethylene
PFA . . . . . .Perfluoroalkoxy
PTFE . . . . . .Polyetrafluoroethylene
PUR . . . . . .Polyurethane
PVC . . . . . .Polyvinylchloride

ALL OTHER ASSEMBLIES

X-XXXX-XXX-X X XX

- Length — **Specify** "0" No microwave test req. (Typical assemblies 1GHz) or less; "1" Reduced frequency microwave test requirement (Typically less than standard frequency of the cable and/or connectors used); "2" Standard frequency microwave test requirement for the cable and/or connectors used).
- Specify "1" Specific customer requirement when no customer drawing specification is available; "3" Standard product; "4" Standard product with at least one captive interface
- Tensolite Cable Code
- 2nd connector code
- 1st connector Code
- "1" if length is measured in inches; "2" if length is measured in feet, (used if over 99")

[1] Measured at 3 GHz, one foot sample.

[2] Typically limited to a lower value by connectors

CONNECTOR CODES

SERIES / CONFIGURATION	BNC	TNC	TYPE N	SMA	SSMA	SMB	SMC
Plug	24	30	18	36	54	42	48
Right Angle Plug	25	31	19	37	55	43	49
Jack	26	32	20	38	56	44	50
Panel Jack	27	33	21	39	57	45	51
Bulkhead Jack	28	34	22	40	58	46	52
MAX. OPERATING FREQUENCY	4.0	11.0	11.0	12.4	limited by cable	4.0	10.0

All cable assemblies are labeled and 100% inspected to Tensolite's rigorous quality standards. Each item is tested for continuity, dielectric withstanding voltage and insulation resistance. The product is individually unit packaged and tagged for maximum protection and ease of identification.

CHARACTERISTICS OF SELECTED CABLES FOR ASSEMBLIES

FLEXIBLE CABLES

Assy Cable Code	140	187	195	511	115	174	190	510	132	428	300	163	402	504	404	301
Cable Type	RG178	RG316	Double Braided RG316	Ultra-Flex	RG58	RG223	RG400	Super-Flex	RG142	Low Loss	Low Cost, Low Loss	RG214	SF142	High Performance	SF214	Low Cost, Low Loss
Maximum Diameter	0.075	0.102	0.118	0.123	0.199	0.216	0.200	0.216	0.200	0.120	0.125	0.432	0.200	0.200	0.432	0.200
MIL-C-17	/93G	/113C2	/152A		/28C	/84B	/128B1		/60C3			/75F				
Jacket	FEP	FEP	FEP	PUR	PE	PE	FEP	PUR	FEP	PTFE	FEP	PE	FEP	FEP	PE	FEP
Jacket Color	Brown	Brown	Brown	Grey	Black	Black	Brown	Grey	Brown	White	Green	Black	Brown	Brown	Black	Brown
Bend Radius: Fixed One Time Minimum.	0.4	0.5	0.6	0.6	1.0	1.1	1.0	1.1	1.0	0.6	0.6	2.2	1.0	1.0	2.2	1.0
Fixed One Time Preferred.	0.8	1.0	1.2	1.2	2.0	2.2	2.0	2.2	2.0	1.2	1.3	4.3	2.0	2.0	4.3	2.0
Constant Flexing	1.5	2.0	2.4	2.5	4.0	4.3	4.0	4.3	4.0	2.4	2.5	8.6	4.0	4.0	8.6	4.0
Minimum, No Mechanical Damage.																
Minimum, No Electrical Change.																
Multiple Flexes																
Maximum Operating Temperature (Deg C)	200	200	200	80	85	85	200	80	200	200	200	85	200	200	80	200
Minimum Operating Temperature (Deg C)	-55	-55	-65	-65	-40	-40	-55	-65	-55	-65	-65	-40	-55	-55	-55	-65
Relative Shielding (db)	40	40	80	100	40	80	80	100	80	100	80	80	>90	>100	>90	80
Impedance (nom.)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Capacitance pf/ft. (nom.)	29.4	29.4	29.4	30.8	30.8	30.8	29.4	30.8	29.4	29.4	28.6	30.8	29.4	29.4	30.8	28.6
Velocity of Propagation (nom.)	0.71	0.71	0.71	0.67	0.67	0.67	0.71	0.67	0.71	0.71	0.79	0.67	0.71	0.71	0.67	0.79
Weight lbs/ft.	0.063	0.011	0.0168	0.009	0.024	0.037	0.045	0.038	0.043	0.012	0.03	0.119	0.043	0.038	0.133	0.03
Delay ns./ft.	1.44	1.44	1.44	1.53	1.53	1.53	1.44	1.53	1.44	1.44	1.29	1.53	1.44	1.44	1.53	1.29
Delay ps/in.	120	120	120	127	127	127	120	127	120	120	107	127	120	120	127	107
Inches per Degree at 1 GHz	0.023	0.023	0.023	0.022	0.022	0.022	0.023	0.022	0.023	0.023	0.026	0.022	0.023	0.023	0.022	0.026

SEMI-FLEX AND SEMI-RIGID CABLES

600	678	617	606	601	618	676	602
SEMI-FLEX	Copper Jacketed Semi-Rigid	Aluminum Jacketed Semi-Rigid	Copper Low Loss Semi-Rigid	SEMI-FLEX	Aluminum Jacketed Semi-Rigid	Copper Jacketed Semi-Rigid	Low Loss Semi-Rigid
0.088	0.087	0.089	0.087	0.145	0.143	0.143	0.143
	/133C					/130D	
Tin Dipped Wire	Copper	Tin Plated Aluminum	Copper	Tin Dipped Wire	Tin Plated Aluminum	Copper	Copper
Silver	Copper	Grey	Copper	Silver	Grey	Copper	Copper
0.13	0.09	0.05	0.25	0.19	0.10	0.13	0.50
0.38	0.13	0.20	0.50	0.50	0.40	0.25	1.00
0.50	1.70	1.00	NA	1.00	2.00	2.82	5.64
200	125	125	200	200	125	125	200
-65	-65	-40	-65	-70	-40	-65	-65
>100	>100	>100	>100	>100	>100	>100	>100
50	50	50	50	50	50	50	50
29.4	29.4	29.4	25.0	29.4	29.4	29.4	25.0
0.71	0.71	0.71	0.83	0.71	0.71	0.71	0.83
0.01	0.014	0.008	0.029	0.027	0.0164	0.032	0.013
1.44	1.44	1.44	1.22	1.44	1.44	1.44	1.22
120	120	120	120	102	120	120	102
0.023	0.023	0.023	0.027	0.023	0.023	0.023	0.027

MAXIMUM INSERTION LOSS OF CABLES SORTED BY INSERTION LOSS (per 100 ft.)

FLEXIBLE CABLES

Assy Cable Code	140	187	195	511	115	174	190	510	132	428	300	163	402	504	404	301
Cable Type	RG178	RG316	Double Braided RG316	Ultra-Flex	RG58	RG223	RG400	Super-Flex	RG142	Low Loss	Low Cost, Low Loss	RG214	SF142	High Perfor-mance	SF214	Low Cost, Low Loss
Maximum Diameter	0.075	0.102	0.118	0.123	0.199	0.216	0.200	0.216	0.200	0.120	0.125	0.432	0.200	0.200	0.432	0.200
MIL-C-17	/93G	/113C2	/152A		/28C	/84B	/128B1		/60C3			/75F				
Freq (GHz) 0.1	16.0	11.0	9.3	9.3	6.5	6.5	4.5	5.3	5.5	6.6	5.8	2.7	4.0	3.6	3.0	2.8
0.4	33.0	21.0	19.0	19.3	17.0	12.0	10.5	11.1	11.7	13.4	11.7	6.8	8.2	7.4	5.8	5.6
1.0	52.0	38.0	30.8	31.7	28.0	21.0	17.0	18.7	19.0	21.5	18.6	12.0	13.4	12.2	9.3	9.0
2.0	76.0	48.0	44.6	46.7		31.0	28.0	28.1	29.0	30.9	26.6	18.0	19.7	18.0	13.7	12.8
3.0	94.0	58.0	55.6	59.0		40.0	38.0	36.1	35.0	38.3	32.8	25.0	24.9	22.7	17.4	15.8
4.0			65.2	69.8		48.0	44.0	43.2	42.0	44.7	38.1	31.0	29.4	26.8	20.8	18.4
5.0			73.9	79.7		55.0	50.0	49.9	48.0	50.4	42.8	35.0	33.6	30.6	23.9	20.7
6.0			82.0	89.0		62.0	55.0	56.2	54.0	55.6	47.2	40.0	37.5	34.2	26.9	22.8
7.0			89.5	97.8		69.0	60.0	62.2	60.0	60.6	51.2	45.0	41.2	37.6	29.7	24.8
8.0			96.6	106.2		74.0	66.0	68.0	66.0	65.2	54.9	48.0	44.7	40.8	32.4	26.6
9.0			103.4			80.0	72.0			69.6	58.5	52.0	48.0	43.9	35.1	28.3
10.0			110.0			84.0	78.0			73.8	61.9	56.0	51.3	46.9	37.7	30.0
11.0			116.3			87.0	83.0			77.8	65.2	60.0	54.5	49.8	40.2	31.6
12.0			122.4			90.0	88.0			81.8	68.3		57.6	52.6	42.7	33.1
13.0										85.5	71.3		60.6	55.4	45.1	34.6
14.0										89.2	74.2		63.5	58.1		36.0
15.0										92.8	77.1		66.4	60.8		37.4
16.0										96.3	79.8		69.3	63.4		38.7
17.0										99.7	82.5		72.1	65.9		40.0
18.0										103.0	85.1		74.8	68.4		41.3
19.0										106.3				70.9		
20.0										109.5				73.4		
21.0										112.6				75.8		
22.0										115.7				78.2		
23.0										118.7				80.6		
25.0										124.7				85.3		
26.0										127.6				87.5		
26.5										129.0				88.7		

SEMI–FLEX AND SEMI–RIGID CABLES

600	678	617	606	601	618	676	602	
SEMI-FLEX	Copper Jacketed Semi-Rigid	Aluminum Jacketed Semi-Rigid	Copper Low Loss Semi-Rigid	SEMI-FLEX	Aluminum Jacketed Semi-Rigid	Copper Jacketed Semi-Rigid	Low Loss Semi-Rigid	
0.088	0.087	0.089	0.087	0.145	0.143	0.143	0.143	
	/133C					/130D		
6.9	6.4	6.4	5.3	3.8	3.7	3.5	3.0	Freq(GHz) 0.1
14.1	13.1	13.0	10.6	7.9	7.5	7.2	6.0	0.4
22.8	21.0	20.9	16.9	13.0	12.3	11.7	9.6	1.0
33.2	30.3	30.1	23.9	19.2	18.0	17.2	13.7	2.0
41.4	37.6	37.5	29.3	24.2	22.5	21.6	16.8	3.0
48.6	44.0	43.8	33.9	28.6	26.6	25.4	19.5	4.0
55.1	49.7	49.5	38.0	32.7	30.2	29.0	21.9	5.0
61.1	55.0	54.8	41.6	36.5	33.6	32.3	24.1	6.0
66.7	59.9	59.7	45.0	40.0	36.8	35.4	26.1	7.0
72.0	64.5	64.3	48.2	43.5	39.9	38.3	28.0	8.0
77.1	68.9	68.8	51.2	46.8	42.8	41.2	29.8	9.0
82.1	73.2	73.0	54.0	50.0	45.6	43.9	31.4	10.0
86.8	77.3	77.1	56.7	53.1	48.4	46.6	33.1	11.0
91.4	81.2	81.0	59.3	56.1	51.0	49.2	34.6	12.0
95.8	85.0	84.9	61.7	59.0	53.6	51.7	36.1	13.0
100.2	88.7	88.6	64.1	61.9	56.2	54.1	37.6	14.0
104.4	92.4	92.2	66.4	64.8	58.6	56.6	39.0	15.0
108.6	95.9	95.8	68.7	67.5	61.1	58.9	40.3	16.0
112.7	99.3	99.2	70.8	70.3	63.4	61.2	41.6	17.0
116.7	102.7	102.6	72.9	73.0	65.8	63.5	42.9	18.0
120.6	106.0	106.0	75.0	75.6	68.1	65.8	44.2	19.0
124.4	109.3	109.2	77.0	78.2	70.4	68.0	45.4	20.0
128.2	112.5	112.4	78.9	80.8	72.6	70.2	46.6	21.0
132.0	115.7	115.6	80.8	83.4	74.8	72.3	47.8	22.0
135.7	118.8	118.7	82.7	85.9	77.0	74.5	48.9	23.0
142.9	124.8	124.8	86.3	90.9	81.3	78.7	51.2	25.0
146.5	127.8	127.8	88.1	93.3	83.4	80.7	52.3	26.0
148.2	129.3	129.3	89.0	94.5	84.4	81.8	52.8	26.5

Loss Calculation: Loss at any Frequency equals square root of Frequency (GHz) times the first row number plus Frequency (GHz) times the second row number.

Square Root Freq.	From	From	28.900	28.461	From	From	From	15.752	From	20.589	18.147	From	From	11.000	From	8.724
"Plus" Freq.	Mil-Spec	Mil-Spec	1.860	3.2180	Mil-Spec	Mil-Spec	Mil-Spec	2.9291	Mil-Spec	0.8692	0.4522	Mil-Spec	Manufr	1.2100	Manuft.	0.2390

21.412	20.011	19.860	16.746	11.719	11.297	10.716	9.445	
1.4343	0.9908	1.0207	0.1046	1.2915	0.9915	1.0033	0.1581	

FOR ADDITIONAL CATALOGS
CALL "THE CATALOG REQUEST LINE"
1-800-362-3539

CALL 1-800-362-FLEX
FOR ADDITIONAL INFORMATION

CHECK OUT TENSOLITE'S WEB SITE:
www.tensolite.com

EMAIL US AT rfmicrowave@tensolite.com

FAX: 360-759-4016


75 Ohm Cable Assemblies

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	75	OHMS
CAPACITANCE NOMINAL:	20.2	pf/FOOT
RELATIVE SHIELDING (CONNECTOR LIMITED):	> -55	db MIN.
VELOCITY OF PROPAGATION NOMINAL:	0.67	%
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY :	1.52	ns /FOOT
ELECTRICAL DELAY :	126	ps /INCH
MAX. PULSE RF POWER:	500	WATTS

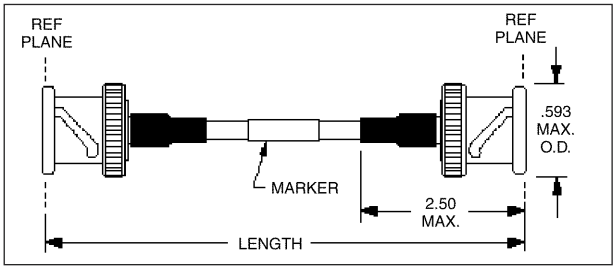
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	0.5	1	2	2		
MAX. CW WATTS →	75	50	32	25		

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.217	INCHES
MIN. BEND RADIUS:	1.09	INCHES
PREFERRED BEND RADIUS:	4.34	INCHES
CONNECTOR RETENTION:	60	POUNDS MIN.
TEMPERATURE RANGE:	-40 / + 85	DEGREES C
MATING TORQUE:	N/A	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	

75 OHM BNC MALE TO BNC MALE ON 521 CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	GRAY TINT
MARKER:	VINYL	WHITE/CLEAR LAMINATE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
BNC BODY :	ASTM B16 BRASS	QQ-N-290 NICKEL PLATED
BNC NUT:	ASTM B16 BRASS	QQ-N-290 NICKEL PLATED
BNC CONTACT:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
BNC GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					UP TO .5	.5 TO 1	1 TO 2	2 TO 3			UP TO .5	.5 TO 1	1 TO 2	2 TO 3			
1-C4C4-521- 3206	S	6.0	0.25	0.7	1.20	1.23	1.25	1.33			0.23	0.31	0.43	0.52			2.36
1-C4C4-521- 3207		7.0	0.25	0.8	1.20	1.23	1.25	1.33			0.24	0.32	0.45	0.55			2.76
1-C4C4-521- 3208		8.0	0.25	0.8	1.20	1.23	1.25	1.33			0.25	0.34	0.47	0.58			3.15
1-C4C4-521- 3209	S	9.0	0.25	0.9	1.20	1.23	1.25	1.33			0.26	0.35	0.49	0.61			3.54
1-C4C4-521- 3210		10.0	0.25	0.9	1.20	1.23	1.25	1.33			0.27	0.37	0.52	0.64			3.94
1-C4C4-521- 3211		11.0	0.25	1.0	1.20	1.23	1.25	1.33			0.28	0.38	0.54	0.67			4.33
1-C4C4-521- 3212	S	12.0	0.25	1.0	1.20	1.23	1.25	1.33			0.29	0.40	0.56	0.70			4.72
1-C4C4-521- 3213		13.0	0.25	1.1	1.20	1.23	1.25	1.33			0.30	0.41	0.58	0.72			5.12
1-C4C4-521- 3214		14.0	0.25	1.1	1.20	1.23	1.25	1.33			0.31	0.43	0.61	0.75			5.51
1-C4C4-521- 3215		15.0	0.25	1.2	1.20	1.23	1.25	1.33			0.32	0.44	0.63	0.78			5.91
1-C4C4-521- 3216		16.0	0.25	1.3	1.20	1.23	1.25	1.33			0.33	0.46	0.65	0.81			6.30
1-C4C4-521- 3217		17.0	0.25	1.3	1.20	1.23	1.25	1.33			0.34	0.47	0.67	0.84			6.69
1-C4C4-521- 3218	S	18.0	0.25	1.4	1.20	1.23	1.25	1.33			0.35	0.49	0.70	0.87			7.09
1-C4C4-521- 3219		19.0	0.25	1.4	1.20	1.23	1.25	1.33			0.36	0.50	0.72	0.90			7.48
1-C4C4-521- 3220		20.0	0.25	1.5	1.20	1.23	1.25	1.33			0.37	0.52	0.74	0.93			7.87
1-C4C4-521- 3221		21.0	0.25	1.5	1.20	1.23	1.25	1.33			0.38	0.53	0.76	0.96			8.27
1-C4C4-521- 3222		22.0	0.25	1.6	1.20	1.23	1.25	1.33			0.39	0.55	0.79	0.98			8.66
1-C4C4-521- 3223		23.0	0.25	1.6	1.20	1.23	1.25	1.33			0.40	0.56	0.81	1.01			9.06
1-C4C4-521- 3224	S	24.0	0.25	1.7	1.20	1.23	1.25	1.33			0.41	0.58	0.83	1.04			9.45
1-C4C4-521- 3226		26.0	0.25	1.8	1.20	1.23	1.25	1.33			0.43	0.61	0.88	1.10			10.24
1-C4C4-521- 3228		28.0	0.28	1.9	1.20	1.23	1.25	1.33			0.45	0.64	0.92	1.16			11.02
1-C4C4-521- 3230		30.0	0.30	2.0	1.20	1.23	1.25	1.33			0.47	0.67	0.97	1.21			11.81
1-C4C4-521- 3232		32.0	0.32	2.1	1.20	1.23	1.25	1.33			0.49	0.70	1.01	1.27			12.60
1-C4C4-521- 3234		34.0	0.34	2.2	1.20	1.23	1.25	1.33			0.51	0.73	1.06	1.33			13.39
1-C4C4-521- 3236	S	36.0	0.36	2.3	1.20	1.23	1.25	1.33			0.53	0.76	1.10	1.39			14.17
1-C4C4-521- 3239		39.0	0.39	2.4	1.20	1.23	1.25	1.33			0.56	0.80	1.17	1.47			15.35
1-C4C4-521- 3242		42.0	0.42	2.6	1.20	1.23	1.25	1.33			0.59	0.85	1.24	1.56			16.54
1-C4C4-521- 3245		45.0	0.45	2.8	1.20	1.23	1.25	1.33			0.62	0.89	1.30	1.65			17.72
1-C4C4-521- 3248	S	48.0	0.48	2.9	1.20	1.23	1.25	1.33			0.65	0.93	1.37	1.73			18.90
1-C4C4-521- 3254		54.0	0.54	3.2	1.20	1.23	1.25	1.33			0.71	1.02	1.51	1.91			21.26
1-C4C4-521- 3260	S	60.0	0.60	3.5	1.20	1.23	1.25	1.33			0.77	1.11	1.64	2.08			23.62
1-C4C4-521- 3266		66.0	0.66	3.9	1.13	1.17	1.21	1.23			0.83	1.20	1.77	2.25			25.98
1-C4C4-521- 3272	S	72.0	0.72	4.2	1.13	1.17	1.21	1.23			0.89	1.29	1.91	2.43			28.35
1-C4C4-521- 3284		84.0	0.84	4.8	1.13	1.17	1.21	1.23			1.01	1.47	2.18	2.77			33.07
1-C4C4-521- 3296		96.0	0.96	5.4	1.20	1.23	1.25	1.33			1.13	1.65	2.45	3.12			37.80
1-C4C4-521- 3299		99.0	0.99	5.6	1.13	1.17	1.21	1.23			1.16	1.69	2.52	3.20			38.98
2-C4C4-521- 3209		108.0	1.08	6.0	1.13	1.17	1.21	1.23			1.25	1.83	2.72	3.46			42.52
2-C4C4-521- 3210		120.0	1.20	6.7	1.13	1.17	1.21	1.23			1.37	2.01	2.99	3.81			47.24
2-C4C4-521- 3212		144.0	1.44	7.9	1.15	1.20	1.23	1.25			1.61	2.36	3.53	4.50			56.69

S = STANDARD ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

75 OHM Q75N N MALES ON 521 75 OHM HI-FLEX (TM) CABLE

ELECTRICAL SPECIFICATIONS

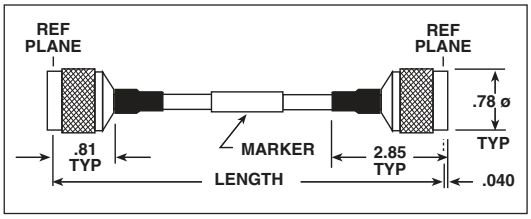
IMPEDANCE, NOMINAL:	75	OHMS
CAPACITANCE NOMINAL:	20.2	pf/FOOT
VELOCITY OF PROPAGATION NOMINAL:	67	%
RELATIVE SHIELDING:	-90	db MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1500	VRMS MIN.
ELECTRICAL DELAY :	1.52	ns/FOOT
ELECTRICAL DELAY :	126	ps/INCH
MAX. PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	1	2	3			
MAX. CW WATTS →	50	35	25			

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.216	INCHES
MIN. BEND RADIUS:	1.06	INCHES
PREFERRED BEND RADIUS:	4.24	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-40 / + 80	DEGREES C
MATING TORQUE:	10-15	INCH POUNDS
TYPE N CONNECTOR INTERFACE NOTES 2, 3, 4 & 5:		



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM B11457 PTFE	NONE
TYPE N BODY :	ASTM B16 BRASS	QQ-N-290 NICKEL PLATED
TYPE N NUT:	ASTM D16 BRASS	QQ-N-290 NICKEL PLATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED

THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.
A USER INSTALLED TYPE N GASKET IS AVAILABLE.
ORDER GASKET, PART NUMBER 5-1368-100-17.

SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTES:

1. CABLES FORMED AT THE SPECIFIED BEND RADIUS MEET SPECIFICATIONS DETAILED HEREIN
2. THE TYPE N IS OPTIMIZED TO REDUCE WEAR AND MINIMIZE DAMAGE TO MATING CONTACTS
3. MATES WITH 75 OHM TYPE N CONNECTORS MEETING THE FOLLOWING REQUIREMENTS:
   A. CONNECTORS MEETING THE REQUIREMENTS OF THE HP85036 CALIBRATION KIT FEMALE
   B. OTHER 75 OHM CONNECTORS WHICH COMPLY WITH IEC 169-16 APPENDIX A.
4. VERIFY COMPATIBILITY WITH CONNECTOR MANUFACTURERS
5. THESE CONNECTORS WILL NOT MATE WITH 50 OHM TYPE N CONNECTORS

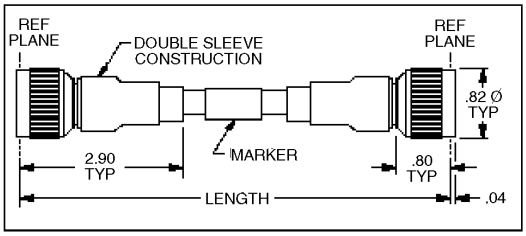
ITEM INFORMATION		MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS						LENGTH
PART NUMBER		LENGTH	+/-	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						CM
		INCHES	LENGTH	OUNCES	VSWR	VSWR	VSWR	RET LOSS	RET LOSS	RET LOSS							
					UP TO 1.3	1.3 TO 2	2 TO 3	UPTO1.3	1.3 TO 2	2 TO 3	UP TO 1.3	1.3 TO 2	2 TO 3				
1-D8D8-521- 3204		4.0	0.25	2.3	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.17	0.21	0.26				10.2
1-D8D8-521- 3205		5.0	0.25	2.3	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.19	0.24	0.29				12.7
1-D8D8-521- 3206	S	6.0	0.25	2.4	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.20	0.26	0.32				15.2
1-D8D8-521- 3207		7.0	0.25	2.4	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.22	0.28	0.35				17.8
1-D8D8-521- 3208		8.0	0.25	2.5	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.24	0.31	0.38				20.3
1-D8D8-521- 3209	S	9.0	0.25	2.5	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.26	0.33	0.41				22.9
1-D8D8-521- 3210		10.0	0.25	2.6	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.28	0.35	0.44				25.4
1-D8D8-521- 3211		11.0	0.25	2.6	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.29	0.37	0.47				27.9
1-D8D8-521- 3212	S	12.0	0.25	2.7	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.31	0.40	0.50				30.5
1-D8D8-521- 3213		13.0	0.25	2.8	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.33	0.42	0.53				33.0
1-D8D8-521- 3214		14.0	0.25	2.8	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.35	0.44	0.56				35.6
1-D8D8-521- 3215		15.0	0.25	2.9	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.36	0.47	0.59				38.1
1-D8D8-521- 3216		16.0	0.25	2.9	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.38	0.49	0.62				40.6
1-D8D8-521- 3217		17.0	0.25	3.0	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.40	0.51	0.65				43.2
1-D8D8-521- 3218	S	18.0	0.25	3.0	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.42	0.54	0.68				45.7
1-D8D8-521- 3219		19.0	0.25	3.1	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.44	0.56	0.71				48.3
1-D8D8-521- 3220		20.0	0.25	3.1	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.45	0.58	0.74				50.8
1-D8D8-521- 3221		21.0	0.25	3.2	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.47	0.61	0.77				53.3
1-D8D8-521- 3222		22.0	0.25	3.2	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.49	0.63	0.80				55.9
1-D8D8-521- 3223		23.0	0.25	3.3	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.51	0.65	0.83				58.4
1-D8D8-521- 3224	S	24.0	0.25	3.3	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.53	0.67	0.86				61.0
1-D8D8-521- 3226		26.0	0.25	3.4	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.56	0.72	0.92				66.0
1-D8D8-521- 3228		28.0	0.28	3.5	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.60	0.77	0.97				71.1
1-D8D8-521- 3230	S	30.0	0.30	3.6	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.63	0.81	1.03				76.2
1-D8D8-521- 3232		32.0	0.32	3.7	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.67	0.86	1.09				81.3
1-D8D8-521- 3234		34.0	0.34	3.8	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.70	0.91	1.15				86.4
1-D8D8-521- 3236	S	36.0	0.36	3.9	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.74	0.95	1.21				91.4
1-D8D8-521- 3239	S	39.0	0.39	4.1	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.80	1.03	1.31				100.0
1-D8D8-521- 3242		42.0	0.42	4.3	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.85	1.09	1.39				106.7
1-D8D8-521- 3245		45.0	0.45	4.4	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.90	1.16	1.48				114.3
1-D8D8-521- 3248	S	48.0	0.48	4.6	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.95	1.23	1.57				121.9
1-D8D8-521- 3250		50.0	0.50	4.7	1.12	1.18	1.25	-24.94	-21.66	-19.08	0.99	1.27	1.63				127.0
1-D8D8-521- 3254	54.0	0.54	4.9	1.12	1.18	1.25	-24.94	-21.66	-19.08	1.06	1.37	1.74				137.2	
1-D8D8-521- 3260	S	60.0	0.60	5.2	1.12	1.18	1.25	-24.94	-21.66	-19.08	1.17	1.51	1.92				152.4
1-D8D8-521- 3266		66.0	0.66	5.5	1.12	1.18	1.25	-24.94	-21.66	-19.08	1.28	1.64	2.10				167.6
1-D8D8-521- 3272	S	72.0	0.72	5.8	1.15	1.20	1.30	-23.13	-20.83	-17.69	1.38	1.78	2.28				182.9
1-D8D8-521- 3284		84.0	0.84	6.4	1.15	1.20	1.30	-23.13	-20.83	-17.69	1.60	2.06	2.63				213.4
1-D8D8-521- 3296	S	96.0	0.96	7.1	1.15	1.20	1.30	-23.13	-20.83	-17.69	1.81	2.34	2.99				243.8
1-D8D8-521- 3299		99.0	0.99	7.2	1.15	1.20	1.30	-23.13	-20.83	-17.69	1.86	2.40	3.08				251.5
2-D8D8-521- 3209		108.0	1.08	7.7	1.15	1.20	1.30	-23.13	-20.83	-17.69	2.02	2.61	3.34				274.3
2-D8D8-521- 3210	S	120.0	1.20	8.3	1.15	1.20	1.30	-23.13	-20.83	-17.69	2.24	2.89	3.70				304.8
2-D8D8-521- 3212	S	144.0	1.44	9.6	1.15	1.20	1.30	-23.13	-20.83	-17.69	2.67	3.44	4.41				365.8
2-D8D8-521- 3215		180.0	1.80	11.4	1.15	1.20	1.30	-23.13	-20.83	-17.69	3.31	4.27	5.47				
2-D8D8-521- 3220		240.0	2.40	14.6	1.15	1.20	1.30	-23.13	-20.83	-17.69	4.38	5.66	7.25				609.6
	S = PREFERRED LENGTHS				MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.												

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

75 OHM Q75N N MALES ON 521 75 OHM HI-FLEX (TM) CABLE



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	75	OHMS
CAPACITANCE NOMINAL:	20.2	pf/FOOT
VELOCITY OF PROPAGATION NOMINAL:	67	%
RELATIVE SHIELDING:	-90	db MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1500	VRMS MIN.
ELECTRICAL DELAY :	1.52	ns/FOOT
ELECTRICAL DELAY :	126	ps/INCH
MAX. PULSE RF POWER:	1250	WATTS

(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	1	2	3			
MAX. CW WATTS →	50	35	25			

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.216	INCHES
MIN. BEND RADIUS:	1.06	INCHES
PREFERRED BEND RADIUS:	4.24	INCHES
CONNECTOR RETENTION:	75	POUNDS MIN.
TEMPERATURE RANGE:	-40 / + 85	DEGREES C
MATING TORQUE:	10-15	INCH POUNDS

TYPE N CONNECTOR INTERFACE NOTES 2, 3, 4 & 5:

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE N BODY :	ASTM A 582 303 STAINLESS STEEL	QQ-9-35 PASSIVATED
TYPE N NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-9-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED

THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.
A USER INSTALLED TYPE N GASKET IS AVAILABLE.
ORDER GASKET, PART NUMBER 5-1368-100-17.

SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED

NOTES:

1. CABLES FORMED AT THE SPECIFIED BEND RADIUS MEET SPECIFICATIONS DETAILED HEREIN
2. THE TYPE N IS OPTIMIZED TO REDUCE WEAR AND MINIMIZE DAMAGE TO MATING CONTACTS
3. MATES WITH 75 OHM TYPE N CONNECTORS MEETING THE FOLLOWING REQUIREMENTS:
   A. CONNECTORS MEETING THE REQUIREMENTS OF THE HP85036 CALIBRATION KIT FEMALE
   B. OTHER 75 OHM CONNECTORS WHICH COMPLY WITH IEC 169-16 APPENDIX A.
4. VERIFY COMPATIBILITY WITH CONNECTOR MANUFACTURERS
5. THESE CONNECTORS WILL NOT MATE WITH 50 OHM TYPE N CONNECTORS

ITEM INFORMATION		MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS						
PART NUMBER		LENGTH	+ -	MAX.WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH
		INCHES	LENGTH	OUNCES	VSWR	VSWR	VSWR	RET LOSS	RET LOSS	RET LOSS							CM
					UP TO 1.3	1.3 TO 2	2 TO 3	UP TO 1.3	1.3 TO 2	2 TO 3							
1-D8D8-521- 4204		4.0	0.25	6.2	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.17	0.21	0.26				10.2
1-D8D8-521- 4205		5.0	0.25	6.3	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.19	0.24	0.29				12.7
1-D8D8-521- 4206	S	6.0	0.25	6.3	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.20	0.26	0.32				15.2
1-D8D8-521- 4207		7.0	0.25	6.4	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.22	0.28	0.35				17.8
1-D8D8-521- 4208		8.0	0.25	6.4	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.24	0.31	0.38				20.3
1-D8D8-521- 4209	S	9.0	0.25	6.5	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.26	0.33	0.41				22.9
1-D8D8-521- 4210		10.0	0.25	6.5	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.28	0.35	0.44				25.4
1-D8D8-521- 4211		11.0	0.25	6.6	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.29	0.37	0.47				27.9
1-D8D8-521- 4212	S	12.0	0.25	6.7	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.31	0.40	0.50				30.5
1-D8D8-521- 4213		13.0	0.25	6.7	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.33	0.42	0.53				33.0
1-D8D8-521- 4214		14.0	0.25	6.8	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.35	0.44	0.56				35.6
1-D8D8-521- 4215		15.0	0.25	6.8	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.36	0.47	0.59				38.1
1-D8D8-521- 4216		16.0	0.25	6.9	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.38	0.49	0.62				40.6
1-D8D8-521- 4217		17.0	0.25	6.9	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.40	0.51	0.65				43.2
1-D8D8-521- 4218	S	18.0	0.25	7.0	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.42	0.54	0.68				45.7
1-D8D8-521- 4219		19.0	0.25	7.0	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.44	0.56	0.71				48.3
1-D8D8-521- 4220		20.0	0.25	7.1	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.45	0.58	0.74				50.8
1-D8D8-521- 4221		21.0	0.25	7.1	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.47	0.61	0.77				53.3
1-D8D8-521- 4222		22.0	0.25	7.2	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.49	0.63	0.80				55.9
1-D8D8-521- 4223		23.0	0.25	7.2	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.51	0.65	0.83				58.4
1-D8D8-521- 4224	S	24.0	0.25	7.3	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.53	0.67	0.86				61.0
1-D8D8-521- 4226		26.0	0.25	7.4	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.56	0.72	0.92				66.0
1-D8D8-521- 4228		28.0	0.28	7.5	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.60	0.77	0.97				71.1
1-D8D8-521- 4230	S	30.0	0.30	7.6	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.63	0.81	1.03				76.2
1-D8D8-521- 4232		32.0	0.32	7.7	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.67	0.86	1.09				81.3
1-D8D8-521- 4234		34.0	0.34	7.8	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.70	0.91	1.15				86.4
1-D8D8-521- 4236	S	36.0	0.36	7.9	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.74	0.95	1.21				91.4
1-D8D8-521- 4239	S	39.0	0.39	8.1	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.79	1.02	1.30				99.1
1-D8D8-521- 4242		42.0	0.42	8.2	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.85	1.09	1.39				106.7
1-D8D8-521- 4245		45.0	0.45	8.4	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.90	1.16	1.48				114.3
1-D8D8-521- 4248	S	48.0	0.48	8.5	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.95	1.23	1.57				121.9
1-D8D8-521- 4250		50.0	0.50	8.6	1.10	1.05	1.20	-26.44	-32.26	-20.83	0.99	1.27	1.63				127.0
1-D8D8-521- 4254		54.0	0.54	8.8	1.10	1.05	1.20	-26.44	-32.26	-20.83	1.06	1.37	1.74			137.2	
1-D8D8-521- 4260	S	60.0	0.60	9.1	1.10	1.05	1.20	-26.44	-32.26	-20.83	1.17	1.51	1.92				152.4
1-D8D8-521- 4266		66.0	0.66	9.5	1.10	1.05	1.20	-26.44	-32.26	-20.83	1.28	1.64	2.10				167.6
1-D8D8-521- 4272	S	72.0	0.72	9.8	1.12	1.18	1.25	-24.94	-21.66	-19.08	1.38	1.78	2.28				182.9
1-D8D8-521- 4284		84.0	0.84	10.4	1.12	1.18	1.25	-24.94	-21.66	-19.08	1.60	2.06	2.63				213.4
1-D8D8-521- 4296	S	96.0	0.96	11.0	1.12	1.18	1.25	-24.94	-21.66	-19.08	1.81	2.34	2.99				243.8
1-D8D8-521- 4299		99.0	0.99	11.2	1.12	1.18	1.25	-24.94	-21.66	-19.08	1.86	2.40	3.08				251.5
2-D8D8-521- 4209		108.0	1.08	11.0	1.12	1.18	1.25	-24.94	-21.66	-19.08	2.02	2.61	3.34				274.3
2-D8D8-521- 4210	S	120.0	1.20	12.3	1.12	1.18	1.25	-24.94	-21.66	-19.08	2.24	2.89	3.70				304.8
2-D8D8-521- 4212	S	144.0	1.44	13.5	1.12	1.18	1.25	-24.94	-21.66	-19.08	2.67	3.44	4.41				365.8
2-D8D8-521- 4215		180.0	1.80	15.4	1.12	1.18	1.25	-24.94	-21.66	-19.08	3.31	4.27	5.47				457.2
2-D8D8-521- 4220		240.0	2.40	18.5	1.12	1.18	1.25	-24.94	-21.66	-19.08	4.38	5.66	7.25				609.6

S = PREFERRED LENGTHS

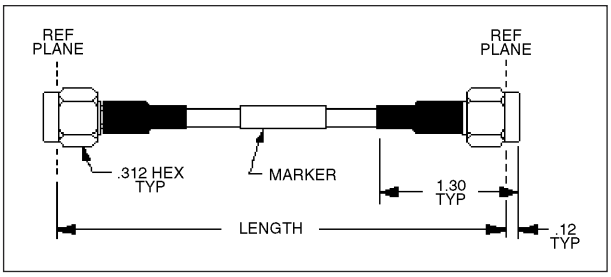
MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

75 OHM Q75SMA MALE TO MALE ON 521 CABLE



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	75	OHMS
CAPACITANCE NOMINAL:	20.2	pf/FOOT
RELATIVE SHIELDING:	> -90	db MIN.
VELOCITY OF PROPAGATION NOMINAL:	0.67	%
INSU LATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY :	1.52	ns /FOOT
ELECTRICAL DELAY :	126	ps /INCH
MAX. PU LSE RF POWER:	500	WATTS

(INTO A 50 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)

F (IN GHz)→	0.5	1	2	3		
MAX. CW WATTS →	75	50	32	25		

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.217	INCHES
MIN. BEND RADIU S:	1.09	INCHES
PREFERRED BEND RADIU S:	4.34	INCHES
CONNECTOR RETENTION:	60	POU NDS MIN.
TEMPERATU RE RANGE:	-40 / + 85	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACE	QMI-STD-348	Q75SMA

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	POLY U RETHANE	GRAY TINT
MARK ER:	VINY L	WHITE/CLEAR LAMINATE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
SMA BODY :	ASTM A 582 303 STAINLESS STEEL	QQ-9-35 PASSIVATED
SMA NU T:	ASTM A 582 303 STAINLESS STEEL	QQ-9-35 PASSIVATED
SMA CONTACT:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSU LATORS:	ASTM D1457 PTFE	NONE
SMA GASK ET	ZZ-R-765 SILICON RU BBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE U SED	

NOTE: Q75SMA'S WILL NOT MATE WITH 50 OHM SMA'S

PART NU MBER		LENGTH INCHES	+ - LENGTH	WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.)						MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					U P TO .5	.5 TO 1	1 TO 2	2 TO 3			U P TO .5	.5 TO 1	1 TO 2	2 TO 3			
1-E6E6-521- 3206	S	6.0	0.25	0.5	1.10	1.12	1.15	1.20			0.15	0.20	0.27	0.33			2.36
1-E6E6-521- 3207		7.0	0.25	0.6	1.10	1.12	1.15	1.20			0.16	0.21	0.29	0.36			2.76
1-E6E6-521- 3208		8.0	0.25	0.6	1.10	1.12	1.15	1.20			0.17	0.23	0.32	0.39			3.15
1-E6E6-521- 3209	S	9.0	0.25	0.7	1.10	1.12	1.15	1.20			0.18	0.24	0.34	0.42			3.54
1-E6E6-521- 3210		10.0	0.25	0.7	1.10	1.12	1.15	1.20			0.19	0.26	0.36	0.45			3.94
1-E6E6-521- 3211		11.0	0.25	0.8	1.10	1.12	1.15	1.20			0.20	0.27	0.38	0.48			4.33
1-E6E6-521- 3212	S	12.0	0.25	0.8	1.10	1.12	1.15	1.20			0.21	0.29	0.41	0.51			4.72
1-E6E6-521- 3213		13.0	0.25	0.9	1.10	1.12	1.15	1.20			0.22	0.30	0.43	0.53			5.12
1-E6E6-521- 3214		14.0	0.25	1.0	1.10	1.12	1.15	1.20			0.23	0.32	0.45	0.56			5.51
1-E6E6-521- 3215		15.0	0.25	1.0	1.10	1.12	1.15	1.20			0.24	0.33	0.47	0.59			5.91
1-E6E6-521- 3216		16.0	0.25	1.1	1.10	1.12	1.15	1.20			0.25	0.35	0.50	0.62			6.30
1-E6E6-521- 3217		17.0	0.25	1.1	1.10	1.12	1.15	1.20			0.26	0.36	0.52	0.65			6.69
1-E6E6-521- 3218	S	18.0	0.25	1.2	1.10	1.12	1.15	1.20			0.27	0.38	0.54	0.68			7.09
1-E6E6-521- 3219		19.0	0.25	1.2	1.10	1.12	1.15	1.20			0.28	0.39	0.56	0.71			7.48
1-E6E6-521- 3220		20.0	0.25	1.3	1.10	1.12	1.15	1.20			0.29	0.41	0.59	0.74			7.87
1-E6E6-521- 3221		21.0	0.25	1.3	1.10	1.12	1.15	1.20			0.30	0.42	0.61	0.76			8.27
1-E6E6-521- 3222		22.0	0.25	1.4	1.10	1.12	1.15	1.20			0.31	0.44	0.63	0.79			8.66
1-E6E6-521- 3223		23.0	0.25	1.4	1.10	1.12	1.15	1.20			0.32	0.45	0.65	0.82			9.06
1-E6E6-521- 3224	S	24.0	0.25	1.5	1.10	1.12	1.15	1.20			0.33	0.47	0.68	0.85			9.45
1-E6E6-521- 3226		26.0	0.25	1.6	1.10	1.12	1.15	1.20			0.35	0.50	0.72	0.91			10.24
1-E6E6-521- 3228		28.0	0.28	1.7	1.10	1.12	1.15	1.20			0.37	0.53	0.77	0.97			11.02
1-E6E6-521- 3230		30.0	0.30	1.8	1.10	1.12	1.15	1.20			0.39	0.56	0.81	1.02			11.81
1-E6E6-521- 3232		32.0	0.32	1.9	1.10	1.12	1.15	1.20			0.41	0.59	0.86	1.08			12.60
1-E6E6-521- 3234		34.0	0.34	2.0	1.10	1.12	1.15	1.20			0.43	0.62	0.90	1.14			13.39
1-E6E6-521- 3236	S	36.0	0.36	2.1	1.10	1.12	1.15	1.20			0.45	0.65	0.95	1.20			14.17
1-E6E6-521- 3239		39.0	0.39	2.2	1.10	1.12	1.15	1.20			0.48	0.69	1.01	1.28			15.35
1-E6E6-521- 3242		42.0	0.42	2.3	1.10	1.12	1.15	1.20			0.51	0.74	1.08	1.37			16.54
1-E6E6-521- 3245		45.0	0.45	2.6	1.10	1.12	1.15	1.20			0.54	0.78	1.15	1.46			17.72
1-E6E6-521- 3248	S	48.0	0.48	2.7	1.10	1.12	1.15	1.20			0.57	0.82	1.21	1.54			18.90
1-E6E6-521- 3254		54.0	0.54	3.0	1.10	1.12	1.15	1.20			0.63	0.91	1.35	1.72			21.26
1-E6E6-521- 3260	S	60.0	0.60	3.3	1.10	1.12	1.15	1.20			0.69	1.00	1.48	1.89			23.62
1-E6E6-521- 3266		66.0	0.66	3.7	1.13	1.17	1.21	1.23			0.75	1.09	1.62	2.06			25.98
1-E6E6-521- 3272	S	72.0	0.72	4.0	1.13	1.17	1.21	1.23			0.81	1.18	1.75	2.24			28.35
1-E6E6-521- 3284		84.0	0.84	4.6	1.13	1.17	1.21	1.23			0.93	1.36	2.02	2.58			33.07
1-E6E6-521- 3296		96.0	0.96	5.2	1.13	1.17	1.21	1.23			1.05	1.54	2.29	2.93			37.80
1-E6E6-521- 3299		99.0	0.99	5.4	1.13	1.17	1.21	1.23			1.08	1.58	2.36	3.01			38.98
2-E6E6-521- 3209		108.0	1.08	6.8	1.13	1.17	1.21	1.23			1.17	1.72	2.56	3.27			42.52
2-E6E6-521- 3210		120.0	1.20	6.5	1.13	1.17	1.21	1.23			1.29	1.90	2.83	3.62			47.24
2-E6E6-521- 3212		144.0	1.44	7.7	1.13	1.17	1.21	1.23			1.53	2.25	3.37	4.31			56.69
2-E6E6-521- 3215		180.0	1.80	9.6	1.13	1.17	1.21	1.23			1.89	2.79	4.18	5.35			70.87
2-E6E6-521- 3220		240.0	2.40	12.7	1.13	1.17	1.21	1.23			2.50	3.68	5.53	7.08			94.49

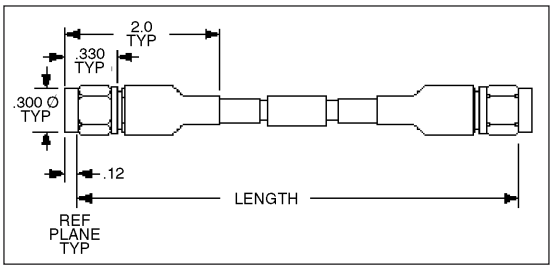
S = STANDARD ITEM MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M PLU S MEASU RING SY STEM U NCERTAINTY .

NOTE: PRODU CT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY .

PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY , CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

75 OHM Q75SMA MALE TO MALE ON 521 CABLE



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	75	OHMS
CAPACITANCE NOMINAL:	20.2	pf/FOOT
RELATIVE SHIELDING:	> -90	db MIN.
VELOCITY OF PROPAGATION NOMINAL:	0.67	%
INSU LATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY :	1.52	ns /FOOT
ELECTRICAL DELAY :	126	ps /INCH
MAX. PU LSE RF POWER:	500	WATTS

(INTO A 50 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)

F (IN GHz)→	0.5	1	2	3		
MAX. CW WATTS →	75	50	32	25		

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.217	INCHES
MIN. BEND RADIU S:	1.09	INCHES
PREFERRED BEND RADIU S:	4.34	INCHES
CONNECTOR RETENTION:	75	POU NDS MIN.
TEMPERATU RE RANGE:	-40 / + 85	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACE	STD-348	Q75SMA

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	POLY U RETHANE	GRAY TINT
MARK ER:	VINY L	WHITE/CLEAR LAMINATE
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
SMA BODY :	ASTM A 582 303 STAINLESS STEEL	QQ-9-35 PASSIVATED
SMA NU T:	ASTM A 582 303 STAINLESS STEEL	QQ-9-35 PASSIVATED
SMA CONTACT:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSU LATORS:	ASTM D1457 PTFE	NONE
SMA GASK ET	ZZ-R-765 SILICON RU BBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE U SED	

NOTE: Q75SMA'S WILL NOT MATE WITH 50 OHM SMA'S

PART NU MBER		LENGTH INCHES	- LENGTH	WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.)						MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
					U P TO .5	.5 TO 1	1 TO 2	2 TO 3			U P TO .5	.5 TO 1	1 TO 2	2 TO 3			
1-E6E6-521- 4206	S	6.0	0.25	0.6	1.10	1.12	1.15	1.20			0.15	0.20	0.27	0.33			2.36
1-E6E6-521- 4207		7.0	0.25	0.7	1.10	1.12	1.15	1.20			0.16	0.21	0.29	0.36			2.76
1-E6E6-521- 4208		8.0	0.25	0.8	1.10	1.12	1.15	1.20			0.17	0.23	0.32	0.39			3.15
1-E6E6-521- 4209	S	9.0	0.25	0.8	1.10	1.12	1.15	1.20			0.18	0.24	0.34	0.42			3.54
1-E6E6-521- 4210		10.0	0.25	0.9	1.10	1.12	1.15	1.20			0.19	0.26	0.36	0.45			3.94
1-E6E6-521- 4211		11.0	0.25	0.9	1.10	1.12	1.15	1.20			0.20	0.27	0.38	0.48			4.33
1-E6E6-521- 4212	S	12.0	0.25	1.0	1.10	1.12	1.15	1.20			0.21	0.29	0.41	0.51			4.72
1-E6E6-521- 4213		13.0	0.25	1.0	1.10	1.12	1.15	1.20			0.22	0.30	0.43	0.53			5.12
1-E6E6-521- 4214		14.0	0.25	1.1	1.10	1.12	1.15	1.20			0.23	0.32	0.45	0.56			5.51
1-E6E6-521- 4215		15.0	0.25	1.1	1.10	1.12	1.15	1.20			0.24	0.33	0.47	0.59			5.91
1-E6E6-521- 4216		16.0	0.25	1.2	1.10	1.12	1.15	1.20			0.25	0.35	0.50	0.62			6.30
1-E6E6-521- 4217		17.0	0.25	1.2	1.10	1.12	1.15	1.20			0.26	0.36	0.52	0.65			6.69
1-E6E6-521- 4218	S	18.0	0.25	1.3	1.10	1.12	1.15	1.20			0.27	0.38	0.54	0.68			7.09
1-E6E6-521- 4219		19.0	0.25	1.3	1.10	1.12	1.15	1.20			0.28	0.39	0.56	0.71			7.48
1-E6E6-521- 4220		20.0	0.25	1.4	1.10	1.12	1.15	1.20			0.29	0.41	0.59	0.74			7.87
1-E6E6-521- 4221		21.0	0.25	1.4	1.10	1.12	1.15	1.20			0.30	0.42	0.61	0.76			8.27
1-E6E6-521- 4222		22.0	0.25	1.5	1.10	1.12	1.15	1.20			0.31	0.44	0.63	0.79			8.66
1-E6E6-521- 4223		23.0	0.25	1.5	1.10	1.12	1.15	1.20			0.32	0.45	0.65	0.82			9.06
1-E6E6-521- 4224	S	24.0	0.25	1.6	1.10	1.12	1.15	1.20			0.33	0.47	0.68	0.85			9.45
1-E6E6-521- 4226		26.0	0.25	1.7	1.10	1.12	1.15	1.20			0.35	0.50	0.72	0.91			10.24
1-E6E6-521- 4228		28.0	0.28	1.8	1.10	1.12	1.15	1.20			0.37	0.53	0.77	0.97			11.02
1-E6E6-521- 4230		30.0	0.30	1.9	1.10	1.12	1.15	1.20			0.39	0.56	0.81	1.02			11.81
1-E6E6-521- 4232		32.0	0.32	2.0	1.10	1.12	1.15	1.20			0.41	0.59	0.86	1.08			12.60
1-E6E6-521- 4234		34.0	0.34	2.1	1.10	1.12	1.15	1.20			0.43	0.62	0.90	1.14			13.39
1-E6E6-521- 4236	S	36.0	0.36	2.2	1.10	1.12	1.15	1.20			0.45	0.65	0.95	1.20			14.17
1-E6E6-521- 4239		39.0	0.39	2.4	1.10	1.12	1.15	1.20			0.48	0.69	1.01	1.28			15.35
1-E6E6-521- 4242		42.0	0.42	2.5	1.10	1.12	1.15	1.20			0.51	0.74	1.08	1.37			16.54
1-E6E6-521- 4245		45.0	0.45	2.7	1.10	1.12	1.15	1.20			0.54	0.78	1.15	1.46			17.72
1-E6E6-521- 4248	S	48.0	0.48	2.8	1.10	1.12	1.15	1.20			0.57	0.82	1.21	1.54			18.90
1-E6E6-521- 4254		54.0	0.54	3.1	1.10	1.12	1.15	1.20			0.63	0.91	1.35	1.72			21.26
1-E6E6-521- 4260	S	60.0	0.60	3.5	1.10	1.12	1.15	1.20			0.69	1.00	1.48	1.89			23.62
1-E6E6-521- 4266		66.0	0.66	3.8	1.13	1.17	1.21	1.23			0.75	1.09	1.62	2.06			25.98
1-E6E6-521- 4272	S	72.0	0.72	4.1	1.13	1.17	1.21	1.23			0.81	1.18	1.75	2.24			28.35
1-E6E6-521- 4284		84.0	0.84	4.7	1.13	1.17	1.21	1.23			0.93	1.36	2.02	2.58			33.07
1-E6E6-521- 4296		96.0	0.96	5.3	1.13	1.17	1.21	1.23			1.05	1.54	2.29	2.93			37.80
1-E6E6-521- 4299		99.0	0.99	5.5	1.13	1.17	1.21	1.23			1.08	1.58	2.36	3.01			38.98
2-E6E6-521- 4209		108.0	1.08	6.0	1.13	1.17	1.21	1.23			1.17	1.72	2.56	3.27			42.52
2-E6E6-521- 4210		120.0	1.20	6.6	1.13	1.17	1.21	1.23			1.29	1.90	2.83	3.62			47.24
2-E6E6-521- 4212		144.0	1.44	7.8	1.13	1.17	1.21	1.23			1.53	2.25	3.37	4.31			56.69
2-E6E6-521- 4215		180.0	1.80	9.7	1.13	1.17	1.21	1.23			1.89	2.79	4.18	5.35			70.87
2-E6E6-521- 4220		240.0	2.40	12.8	1.13	1.17	1.21	1.23			2.50	3.68	5.53	7.08			94.49

S = STANDARD ITEM

MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M PLU S MEASU RING SY STEM U NCERTAINTY .

NOTE: PRODU CT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY .

PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY , CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

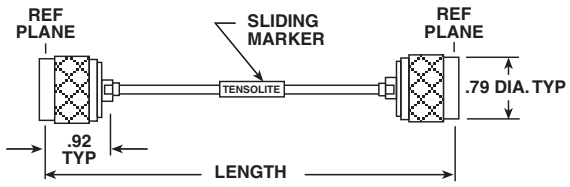
IMPEDANCE, NOMINAL:	75	OHMS
CAPACITANCE NOMINAL:	19.30	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1500	VRMS MIN.
ELECTRICAL DELAY:	1.44	ns /FOOT
ELECTRICAL DELAY:	120	ps /INCH
MAX. PULSE RF POWER:	1250	WATTS
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)		

F (IN GHz)→	1	2	3			
MAX. CW WATTS →	225	155	125			

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.19	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-65 to + 105	DEGREES C
MATING TORQUE:	10-15	INCH POUNDS
TYPE N CONNECTOR INTERFACE NOTES 3, 4:		

75 OHM TYPE N MALES ON 671 SEMI-FLEX® CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	NONE	NONE
CABLE OUTER CONDUCTOR:	TIN COATED COPPER WIRE	TIN
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE N BODY:	ASTM B16 BRASS	QQ-S-365 SILVER PLATED
TYPE N NUT:	ASTM B16 BRASS	QQ-N-290 NICKEL PLATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED

THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.
A USER INSTALLED TYPE N GASKET IS AVAILABLE.
ORDER GASKET, PART NUMBER 5-1368-100-17.

SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTES:
1. FREQUENCY RANGE IS LIMITED BY TEST EQUIPMENT LIMITS
2. CABLES FORMED AT THE SPECIFIED BEND RADIUS MEET SPECIFICATIONS DETAILED HEREIN
3. OPTIMIZED TO REDUCE WEAR AND MINIMIZE MISALIGNMENT OF MATING CONTACTS
4. MATES WITH 75OHM TYPE N FEMALE CONNECTORS MEETING THE FOLLOWING REQUIREMENTS:
   A. CONNECTORS MEETING THE REQUIREMENTS OF THE HP85036 CALKIT FEMALE
   B. OTHER 75OHM FEMALE CONNECTORS WHICH FEATURE:
   C. 75OHM FEMALE CONNECTORS WHICH COMPLY WITH IEC 169-16 APPENDIX A
   1. CONTACTS LOCATED BETWEEN 0.207 AND 0.187 ABOVE THE REFERENCE PLANE
   2. FEMALE SOCKET CONTACT DESIGNED TO ACCEPT A 0.036 DIAMETER MALE PIN.
   3. FEMALE SHELL WITH .276 OUTER CONDUCTOR AND MIL-STD-348 MATING FEATURES.

PART NUMBER	LENGTH INCHES	+/- LENGTH	MAX.WEIGHT OUNCES	S11 AND S22 CHARACTERISTICS MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						S21 AND S12 CHARACTERISTICS MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
				VSWR UP TO 1.3	VSWR 1.3 TO 2	VSWR 2 TO 3	RET LOSS UP TO 1.3	RET LOSS 1.3 TO 2	RET LOSS 2 TO 3	UP TO 1.3	1.3 TO 2	2 TO 3				
1-D8D8-671-3204	4.00	0.05	2.2	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.15	0.18	0.23				10.2
1-D8D8-671-3205	5.00	0.05	2.3	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.16	0.20	0.25				12.7
1-D8D8-671-3206	6.00	0.05	2.3	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.17	0.22	0.27				15.2
1-D8D8-671-3207	7.00	0.10	2.4	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.18	0.23	0.29				17.8
1-D8D8-671-3208	8.00	0.10	2.4	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.20	0.25	0.31				20.3
1-D8D8-671-3209	9.00	0.10	2.4	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.21	0.26	0.33				22.9
1-D8D8-671-3210	10.00	0.10	2.5	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.22	0.28	0.35				25.4
1-D8D8-671-3211	11.00	0.10	2.5	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.23	0.30	0.37				27.9
1-D8D8-671-3212	12.00	0.10	2.6	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.25	0.31	0.39				30.5
1-D8D8-671-3213	13.00	0.15	2.6	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.26	0.33	0.41				33.0
1-D8D8-671-3214	14.00	0.15	2.7	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.27	0.34	0.43				35.6
1-D8D8-671-3215	15.00	0.15	2.7	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.29	0.36	0.45				38.1
1-D8D8-671-3216	16.00	0.15	2.7	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.30	0.38	0.47				40.6
1-D8D8-671-3217	17.00	0.15	2.8	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.31	0.39	0.49				43.2
1-D8D8-671-3218	18.00	0.15	2.8	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.32	0.41	0.51				45.7
1-D8D8-671-3219	19.00	0.15	2.9	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.34	0.42	0.53				48.3
1-D8D8-671-3220	20.00	0.15	2.9	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.35	0.44	0.55				50.8
1-D8D8-671-3221	21.00	0.15	2.9	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.36	0.46	0.57				53.3
1-D8D8-671-3222	22.00	0.15	3.0	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.37	0.47	0.59				55.9
1-D8D8-671-3223	23.00	0.15	3.0	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.39	0.49	0.61				58.4
1-D8D8-671-3224	24.00	0.15	3.1	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.40	0.50	0.63				61.0
1-D8D8-671-3225	25.00	0.15	3.1	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.41	0.52	0.65				63.5
1-D8D8-671-3226	26.00	0.15	3.2	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.42	0.54	0.67				66.0
1-D8D8-671-3227	27.00	0.15	3.2	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.44	0.55	0.69				68.6
1-D8D8-671-3228	28.00	0.15	3.2	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.45	0.57	0.71				71.1
1-D8D8-671-3229	29.00	0.15	3.3	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.46	0.58	0.73				73.7
1-D8D8-671-3230	30.00	0.15	3.3	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.47	0.60	0.75				76.2
1-D8D8-671-3231	31.00	0.15	3.4	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.49	0.62	0.77				78.7
1-D8D8-671-3232	32.00	0.15	3.4	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.50	0.63	0.79				81.3
1-D8D8-671-3233	33.00	0.15	3.4	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.51	0.65	0.81				83.8
1-D8D8-671-3234	34.00	0.15	3.5	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.52	0.66	0.83				86.4
1-D8D8-671-3235	35.00	0.15	3.5	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.54	0.68	0.85				88.9
1-D8D8-671-3236	36.00	0.15	3.6	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.55	0.70	0.87				91.4
1-D8D8-671-3237	37.00	0.20	3.6	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.56	0.71	0.89				94.0
1-D8D8-671-3238	38.00	0.20	3.6	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.57	0.73	0.91				96.5
1-D8D8-671-3239	39.00	0.20	3.7	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.59	0.74	0.93				99.1
1-D8D8-671-3240	40.00	0.20	3.7	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.60	0.76	0.95				101.6
1-D8D8-671-3241	41.00	0.20	3.8	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.61	0.78	0.97				104.1
1-D8D8-671-3242	42.00	0.20	3.8	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.62	0.79	0.99				106.7
1-D8D8-671-3243	43.00	0.20	3.9	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.64	0.81	1.01				109.2
1-D8D8-671-3244	44.00	0.20	3.9	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.65	0.82	1.03				111.8
1-D8D8-671-3245	45.00	0.20	3.9	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.66	0.84	1.05				114.3
1-D8D8-671-3246	46.00	0.20	4.0	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.67	0.86	1.07				116.8
1-D8D8-671-3247	47.00	0.20	4.0	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.69	0.87	1.09				119.4
1-D8D8-671-3248	48.00	0.20	4.1	1.10	1.15	1.20	-26.44	-23.13	-20.83	0.70	0.89	1.11				121.9

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

rev:A

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	75	OHMS
CAPACITANCE NOMINAL:	19.50	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY NOMINAL:	1.44	ns /FOOT
ELECTRICAL DELAY NOMINAL:	120	ps /INCH
MAX. PULSE RF POWER:	1250	WATTS

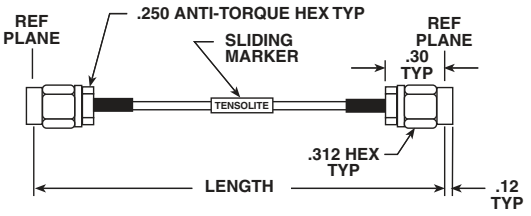
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)

F (IN GHz)→	0.5	1	2	3		
MAX. CW WATTS →	450	300	220	160		

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.19	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-65 / + 105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	STD-348-75	PAGE 310.3

75 OHM SMA MALE TO SMA MALE ON 671 SEMI-FLEX® CABLE



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN COATED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY :	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER	LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	S11 AND S22 CHARACTERISTICS MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						S21 AND S12 CHARACTERISTICS MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						DELAY nS + - 4%	LENGTH CM
				UP TO .5	.5 TO 1	1 TO 2	2 TO 3			UP TO .5	.5 TO 1	1 TO 2	2 TO 3				
1-E6E6-671- 5202	2.00	0.05	0.3	1.06	1.10	1.14	1.17			0.10	0.11	0.15	0.17			0.24	5.08
1-E6E6-671- 5203	3.00	0.05	0.3	1.06	1.10	1.14	1.17			0.10	0.12	0.17	0.19			0.36	7.62
1-E6E6-671- 5204	4.00	0.05	0.3	1.06	1.10	1.14	1.17			0.11	0.13	0.19	0.21			0.48	10.2
1-E6E6-671- 5205	5.00	0.05	0.4	1.06	1.10	1.14	1.17			0.12	0.14	0.20	0.23			0.60	12.7
1-E6E6-671- 5206	6.00	0.05	0.4	1.06	1.10	1.14	1.17			0.13	0.16	0.22	0.27			0.72	15.2
1-E6E6-671- 5207	7.00	0.10	0.5	1.06	1.10	1.14	1.17			0.13	0.17	0.23	0.27			0.84	17.8
1-E6E6-671- 5208	8.00	0.10	0.5	1.06	1.10	1.14	1.17			0.14	0.18	0.25	0.29			0.96	20.3
1-E6E6-671- 5209	9.00	0.10	0.5	1.06	1.10	1.14	1.17			0.15	0.19	0.27	0.31			1.08	22.9
1-E6E6-671- 5210	10.00	0.10	0.6	1.06	1.10	1.14	1.17			0.16	0.20	0.28	0.33			1.20	25.4
1-E6E6-671- 5211	11.00	0.10	0.6	1.06	1.10	1.14	1.17			0.16	0.21	0.30	0.35			1.32	27.9
1-E6E6-671- 5212	12.00	0.10	0.7	1.06	1.10	1.14	1.17			0.17	0.22	0.31	0.37			1.44	30.5
1-E6E6-671- 5213	13.00	0.15	0.7	1.06	1.10	1.14	1.17			0.18	0.23	0.33	0.39			1.56	33.0
1-E6E6-671- 5214	14.00	0.15	0.7	1.06	1.10	1.14	1.17			0.19	0.24	0.35	0.41			1.68	35.6
1-E6E6-671- 5215	15.00	0.15	0.8	1.06	1.10	1.14	1.17			0.19	0.25	0.36	0.43			1.80	38.1
1-E6E6-671- 5216	16.00	0.15	0.8	1.06	1.10	1.14	1.17			0.20	0.26	0.38	0.45			1.92	40.6
1-E6E6-671- 5217	17.00	0.15	0.9	1.06	1.10	1.14	1.17			0.21	0.27	0.39	0.47			2.04	43.2
1-E6E6-671- 5218	18.00	0.15	0.9	1.06	1.10	1.14	1.17			0.22	0.29	0.41	0.49			2.16	45.7
1-E6E6-671- 5219	19.00	0.15	0.9	1.06	1.10	1.14	1.17			0.22	0.30	0.43	0.51			2.28	48.3
1-E6E6-671- 5220	20.00	0.15	1.0	1.06	1.10	1.14	1.17			0.23	0.31	0.44	0.53			2.40	50.8
1-E6E6-671- 5221	21.00	0.15	1.0	1.06	1.10	1.14	1.17			0.24	0.32	0.46	0.55			2.52	53.3
1-E6E6-671- 5222	22.00	0.15	1.1	1.06	1.10	1.14	1.17			0.24	0.33	0.47	0.58			2.64	55.9
1-E6E6-671- 5223	23.00	0.15	1.1	1.06	1.10	1.14	1.17			0.25	0.34	0.49	0.60			2.76	58.4
1-E6E6-671- 5224	24.00	0.15	1.1	1.06	1.10	1.14	1.17			0.26	0.35	0.51	0.62			2.88	61.0
1-E6E6-671- 5227	27.00	0.15	1.2	1.06	1.10	1.14	1.17			0.28	0.38	0.55	0.68			3.24	68.6
1-E6E6-671- 5230	30.00	0.15	1.4	1.06	1.10	1.14	1.17			0.30	0.42	0.60	0.74			3.60	76.2
1-E6E6-671- 5233	33.00	0.15	1.5	1.06	1.10	1.14	1.17			0.33	0.45	0.65	0.80			3.95	83.8
1-E6E6-671- 5236	36.00	0.15	1.6	1.06	1.10	1.14	1.17			0.35	0.48	0.70	0.86			4.31	91.4
1-E6E6-671- 5239	39.00	0.15	1.7	1.06	1.10	1.14	1.17			0.37	0.51	0.75	0.92			4.67	99.1
1-E6E6-671- 5242	42.00	0.15	1.8	1.06	1.10	1.14	1.17			0.39	0.55	0.79	0.98			5.03	106.7
1-E6E6-671- 5245	45.00	0.15	2.0	1.06	1.10	1.14	1.17			0.42	0.58	0.84	1.04			5.39	114.3
1-E6E6-671- 5248	48.00	0.15	2.1	1.06	1.10	1.14	1.17			0.44	0.61	0.89	1.10			5.75	121.9
1-E6E6-671- 5254	54.00	0.15	2.3	1.06	1.10	1.14	1.17			0.48	0.68	0.98	1.22			6.47	137.2
1-E6E6-671- 5260	60.00	0.6	2.6	1.06	1.10	1.14	1.17			0.53	0.74	1.08	1.34			7.19	152.4
1-E6E6-671- 5266	66.00	0.7	2.8	1.06	1.10	1.14	1.17			0.57	0.81	1.18	1.46			7.91	167.6
1-E6E6-671- 5272	72.00	0.7	3.0	1.06	1.10	1.14	1.17			0.62	0.87	1.27	1.58			8.63	182.9
1-E6E6-671- 5284	84.00	0.8	3.5	1.10	1.15	1.20	1.25			0.71	1.00	1.46	1.82			10.07	213.4
1-E6E6-671- 5296	96.00	1.0	4.0	1.10	1.15	1.20	1.25			0.80	1.13	1.65	2.07			11.50	243.8
1-E6E6-671- 5299	99.00	1.0	4.1	1.10	1.15	1.20	1.25			0.82	1.16	1.70	2.13			11.86	251.5
1-E6E6-671- 5209	108.0	1.1	4.5	1.10	1.15	1.20	1.25			0.89	1.26	1.85	2.31			12.94	274.3
1-E6E6-671- 5210	120.0	1.2	4.9	1.10	1.15	1.20	1.25			0.97	1.39	2.04	2.55			14.38	304.8
1-E6E6-671- 5212	144.0	1.4	5.9	1.10	1.15	1.20	1.25			1.15	1.65	2.42	3.03			17.26	365.8
1-E6E6-671- 5215	180.0	1.8	7.3	1.10	1.15	1.20	1.25			1.42	2.04	3.00	3.76			21.57	457.2
1-E6E6-671- 5220	240.0	2.4	9.7	1.10	1.15	1.20	1.25			1.87	2.69	3.95	4.97			28.76	609.6
1-E6E6-671- 5225	300.0	3.0	12.4	1.10	1.15	1.20	1.25			2.31	3.34	4.91	6.18			35.95	762.0
1-E6E6-671- 5230	360.0	3.6	14.4	1.10	1.15	1.20	1.25			2.76	3.99	5.87	7.38			43.14	914.4
1-E6E6-671- 5240	480.0	4.8	19.2	1.10	1.15	1.20	1.25			3.65	5.29	7.78	9.80			57.52	1219.2
1-E6E6-671- 5250	600.0	6.0	23.9	1.10	1.15	1.20	1.25			4.55	6.60	9.70	12.22			71.90	1524.0

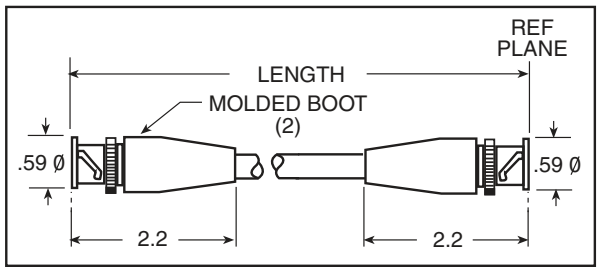
MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

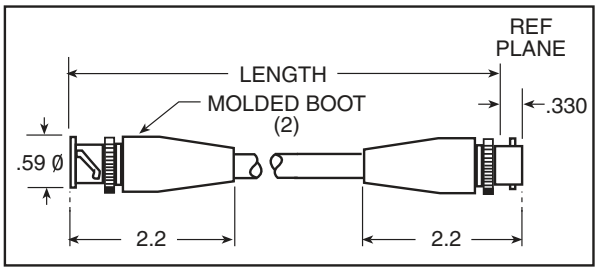
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

TENSOLITE CABLE ASSEMBLY TECHNICAL DATA

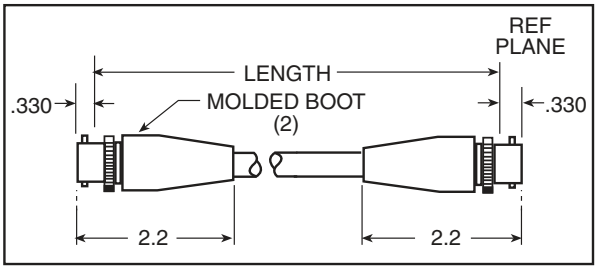
TS75 75OHM Q75BNC CABLE ASSEMBLY



TS75E6E6 CONFIGURATION



TS75E6E8 CONFIGURATION



TS75E8E8 CONFIGURATION

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:			75	OHMS		
CAPACITANCE NOMINAL:			20.2	pf/FOOT		
VELOCITY OF PROPAGATION NOMINAL:			67.0	%		
RELATIVE SHIELDING PARALLEL TO CHING 24 IN:			-100.0	db MIN.		
INSU LATION RESISTANCE:			1000	MEGOHMS MIN.		
DIELECTRIC WITHSTANDING VOLTAGE:			1500	VRMS MIN.		
ELECTRICAL DELAY , NOMINAL:			1.52	ns/FOOT		
ELECTRICAL DELAY , NOMINAL:			127	ps/INCH		
PU LSE RF POWER:			800	WATTS MAX.		
(INTO A 75 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)						
F (IN GHz)→	1	2	3			
MAX. CW WATTS →	50	35	25			
PHASE STABILITY DEG.	0.9	1.8	3.6			
LOSS STABILITY db→	0.03	0.06	0.09			

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIU S
Cables are manufactured as matched sets or matched to laboratory standards.
Cables maintain network analyzer compatible characteristics during product life when formed up to 180 degrees at a 4 inch or greater radius.

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.240	INCHES
MIN. ONE TIME BEND RADIU S:	1.50	INCHES
FLEXED BEND RADIU S:	4.00	INCHES
CONNECTOR RETENTION:	60	POU NDS MIN.
TEMPERATU RE RANGE:	-13 / . 33	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACE	75 OHM BNC	Q75BNC

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	PVC	BLACK
MARK ING:	N/A	WHITE
BOOTS:	RU BBER COMPOU ND	BLACK
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
N INSU LATORS:	ASTM D1457 PTFE	NONE
N CONNECTOR BODY :	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
NU TS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASK ET:	ZZ-R-765 SILICON RU BBER	RED
THE TY PE N MALE CONNECTOR DOES NOT HAVE A WEATHER SEALING GASK ET.		
A U SER INSTALLED TY PE N GASK ET IS AVAILABLE.		
ORDER GASK ET, PART NU MBER 5-1368-100-17.		
SOLVENTS	NO OZONE DEPLETING MATERIALS ARE U SED	

NOTE: THESE CABLE ASSEMBLIES WILL NOT MATE WITH 50 OHM SMA CONNECTORS

AVAILABLE CONFIGU RATIONS:

CONN. 1	CONN. 2	LENGTH	QMI PART NU MBER
MALE	MALE	24	TS75C4C4-61
MALE	MALE	34	TS75C4C4-86
MALE	FEMALE	24	TS75C4C4-61
MALE	FEMALE	34	TS75C4C4-86
FEMALE	FEMALE	24	TS75C4C4-61
FEMALE	FEMALE	34	TS75C4C4-86

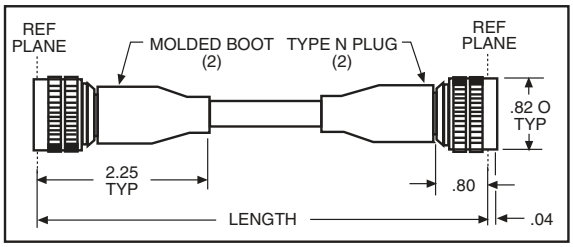
PART NU MBER	Q75SMA CONN.	LENGTH INCHES	. - LENGTH	MAX.WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.) U P TO 1	1 TO 2	2 TO 3				MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.) U P TO 1	1 TO 2	2 TO 3	3 TO 6			LENGTH CM
TS75C4C4-61	M-M	24	1.20	5.3	1.15	1.20	1.25				0.55	0.80	1.01	1.49			61
TS75C4C4-86	M-M	34	1.70	5.8	1.15	1.20	1.25				0.70	1.03	1.30	1.94			86
TS75C4C6-61	M-F	24	1.20	5.3	1.15	1.20	1.25				0.55	0.80	1.01	1.49			61
TS75C4C6-86	M-F	34	1.70	5.8	1.15	1.20	1.25				0.70	1.03	1.30	1.94			86
TS75C6C6-61	F-F	24	1.20	5.3	1.15	1.20	1.25				0.55	0.80	1.01	1.49			61
TS75C6C6-86	F-F	34	1.70	5.8	1.15	1.20	1.25				0.70	1.03	1.30	1.94			86

MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M INCLU DING MEASU RING SY STEM U NCERTAINTY .

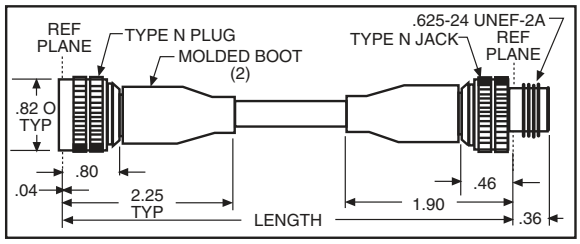
ALSO AVAILABLE: TS1818-STRA SET OF 4 7.5 INCH 50 OHM CABLES U SED TO INTERCONNECT NETWORK ANALY ZERS TO TEST SETS.
ASK FOR DATA SHEET TS

NOTE: PRODU CT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY .
PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY , CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS.

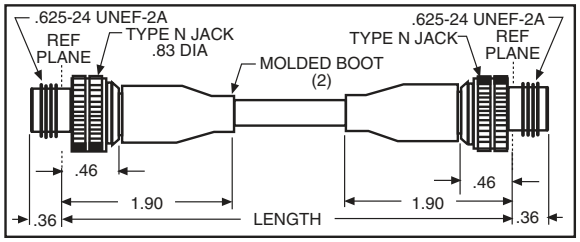
TS75 SERIES 75 OHM Q75N CABLE ASSEMBLIES



TS751818 CONFIGURATION



TS751820 CONFIGURATION



TS752020 CONFIGURATION

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:			75	OHMS		
CAPACITANCE NOMINAL:			20.2	pf/FOOT		
VELOCITY OF PROPAGATION NOMINAL:			67.0	%		
RELATIVE SHIELDING PARALLEL TO CHING 24 IN:			-100.0	db MIN.		
INSU LATION RESISTANCE:			1000	MEGOHMS MIN.		
DIELECTRIC WITHSTANDING VOLTAGE:			1500	VRMS MIN.		
ELECTRICAL DELAY , NOMINAL:			1.52	ns/FOOT		
ELECTRICAL DELAY , NOMINAL:			127	ps/INCH		
PU LSE RF POWER:			800	WATTS MAX.		
(INTO A 75 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)						
F (IN GHz)→	1	2	3			
MAX. CW WATTS →	50	35	25			
PHASE STABILITY DEG.	0.3	0.6	1.2			
LOSS STABILITY db→	0.01	0.02	0.03			

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIU S
Cables are manufactured as matched sets or matched to laboratory standards.
Cables maintain network analyzer compatible characteristics during product life when formed up to 180 degrees at a 4 inch or greater radius.

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.240	INCHES
MIN. ONE TIME BEND RADIU S:	1.50	INCHES
FLEXED BEND RADIU S:	4.00	INCHES
CONNECTOR RETENTION:	60	POU NDS MIN.
TEMPERATU RE RANGE:	-13 / + 33	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACE	hp 75 OHM TY PE N	

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	PVC	BLACK
MARK ING:	–	WHITE
BOOTS:	RU BBER COMPOU ND	BLACK
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
N INSU LATORS:	ASTM D1457 PTFE	NONE
N CONNECTOR BODY :	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
NU TS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASK ET:	ZZ-R-765 SILICON RU BBER	RED
THE TY PE N MALE CONNECTOR DOES NOT HAVE A WEATHER SEALING GASK ET.		
A U SER INSTALLED TY PE N GASK ET IS AVAILABLE.		
ORDER GASK ET, PART NU MBER 5-1368-100-17.		
SOLVENTS	NO OZONE DEPLETING MATERIALS ARE U SED	

AVAILABLE CONFIGU RATIONS:

CONN. 1	CONN. 2	LENGTH	QMI PART NU MBER	COMMENT
N MALE	N MALE	24	TS751818-61	hp PART NU MBER 8120-2408
N MALE	N MALE	34	TS751818-86	34 INCH VERSION OF ABOVE
N MALE	N FEMALE	24	TS751820-61	hp PART NU MBER 8120-2409
N MALE	N FEMALE	34	TS751820-86	34 INCH VERSION OF ABOVE
N FEMALE	N FEMALE	24	TS75020-61	24 INCH FEMALE-FEMALE SPECIAL
N FEMALE	N FEMALE	34	TS752020-86	34 INCH FEMALE-FEMALE SPECIAL

PART NU MBER	Q75SMA CONN.	LENGTH INCHES	+ - LENGTH	MAX.WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.) U P TO 1	1 TO 2	2 TO 3				MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.) U P TO 1	1 TO 2	2 TO 3	3 TO 6			LENGTH CM
TS751818-61	M-M	24	1.20	5.3	1.07	1.10	1.20				0.45	0.66	0.84	1.24			61
TS751818-86	M-M	34	1.70	5.8	1.07	1.10	1.20				0.60	0.88	1.13	1.69			86
TS751820-61	M-F	24	1.20	5.3	1.07	1.10	1.20				0.45	0.66	0.84	1.24			61
TS751820-86	M-F	34	1.70	5.8	1.07	1.10	1.20				0.60	0.88	1.13	1.69			86
TS751820-61S	M-F	2 24 INCH CABLES: 1 N MALE, 1 N MALE N FEMALE									-	-	-	-			
TS752020-61	F-F	24	1.20	5.3	1.07	1.10	1.20				0.45	0.66	0.84	1.24			61
TS752020-86	F-F	34	1.70	5.8	1.07	1.10	1.20				0.60	0.88	1.13	1.69			86

MAXIMU M SPECIFICATIONS ARE PRODU CT MAXIMU M INCLU DING MEASU RING SY STEM U NCERTAINTY .

hp PART NU MBER	CONN	LENGTH	ORDER QMI NU MBER
11857 B	SET	24	TS751820-(61S(SET1818- 1820)

THE FOLLOWING IS A PARTIAL LIST OF THE hp TEST EQU IPMENT THAT U TILIZES THESE CABLE ASSEMBLIES

3577 ANA	8713 ANA	85046 S PAR
4195 ANA	8714 ANA	87511 S PAR
4396 ANA	8751 ANA	
8503 S PAR	8752 ANA	
8505 ANA	8753 ANA	
8507 ANA	11850 PS	
8711 ANA	35677 S PAR	
8712 ANA	41952 T/R	

ANA - AU TOMATIC NETWORK ANALY ZER
S PAR - S PARAMETER TEST SET
T/R - TRANSMISSION REFLECTION TEST SET
PS - POWER SPLITTER

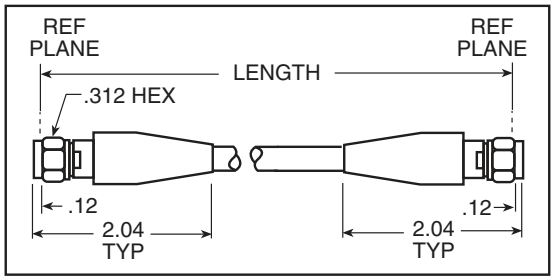
ALSO AVAILABLE: TS1818-STRA SET OF 4 7.5 INCH 50 OHM CABLES U SED TO INTERCONNECT NETWORK ANALY ZERS TO TEST SETS.
ASK FOR DATA SHEET TS

NOTE: hp 11857 A AND 11857D ARE 50 OHM 7MM ASSEMBLIES 11857B IS A SET OF 2 75 OHM TY PE N ASSEMBLIES

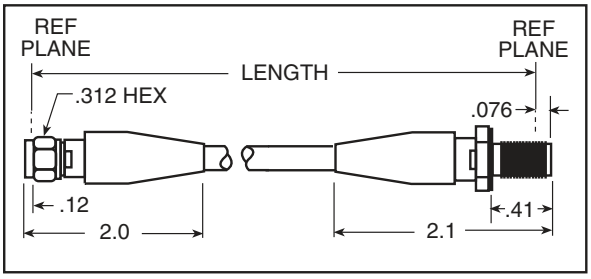
NOTE: PRODU CT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HU MIDITY .

PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY , CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS.

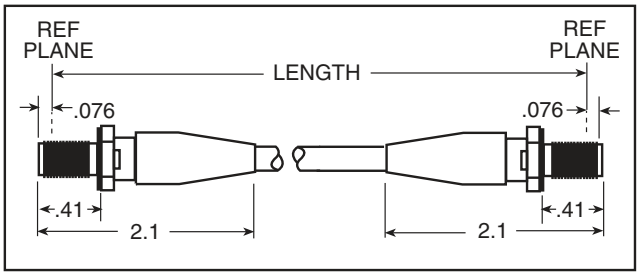
TS75 SERIES 75 OHM Q75N CABLE ASSEMBLIES



TS75E6E6 CONFIGURATION



TS75E6E8 CONFIGURATION



ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	75	OHMS
CAPACITANCE NOMINAL:	20.2	pf/FOOT
VELOCITY OF PROPAGATION NOMINAL:	67.0	%
RELATIVE SHIELDING PARALLEL TO CHING 24 IN :	-100.0	db MIN.
INSU LATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1500	VRMS MIN.
ELECTRICAL DELAY , NOMINAL:	1.52	ns/FOOT
ELECTRICAL DELAY , NOMINAL:	127	ps/INCH
PU LSE RF POWER:	800	WATTS MAX.

(INTO A 75 OHM SY STEM, WITH DU TY CY CLE LESS THAN CW RATING)

F (IN GHz)→	1	2	3			
MAX. CW WATTS →	50	35	25			
PHASE STABILITY DEG.	0.3	0.6	1.2			
LOSS STABILITY db→	0.01	0.02	0.03			

CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIU S

Cables are manufactured as matched sets or matched to laboratory standards. Cables maintain network analyzer compatible characteristics during product life when formed up to 180 degrees at a 4 inch or greater radius.

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.240	INCHES
MIN. ONE TIME BEND RADIU S:	1.50	INCHES
FLEXED BEND RADIU S:	4.00	INCHES
CONNECTOR RETENTION:	60	POU NDS MIN.
TEMPERATU RE RANGE:	-13 / + 33	DEGREES C
MATING TORQU E:	7-10	INCH POU NDS
CONNECTOR INTERFACE	HY BRID Q75SMA	

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACK ET:	PVC	BLACK
MARK ING:	–	WHITE
BOOTS:	RU BBER COMPOU ND	BLACK
SOLDER:	QQ-S-571	NONE
FLU X:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
N INSU LATORS:	ASTM D1457 PTFE	NONE
N CONNECTOR BODY :	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
NU TS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASK ET:	ZZ-R-765 SILICON RU BBER	RED

THE TY PE N MALE CONNECTOR DOES NOT HAVE A WEATHER SEALING GASK ET.
A U SER INSTALLED TY PE N GASK ET IS AVAILABLE.
ORDER GASK ET, PART NU MBER 5-1368-100-17.

SOLVENTS	NO OZONE DEPLETING MATERIALS ARE U SED	

NOTE: THESE CABLE ASSEMBLIES WILL NOT MATE WITH 50 OHM SMA CONNECTORS

AVAILABLE CONFIGU RATIONS:

CONN. 1	CONN. 2	LENGTH	QMI PART NU MBER
MALE	MALE	24	TS75E6E6-61
MALE	MALE	34	TS75E6E6-86
MALE	FEMALE	24	TS75E6E8-61
MALE	FEMALE	34	TS75E6E8-86
FEMALE	FEMALE	24	TS75E8E8-61
FEMALE	FEMALE	34	TS75E8E8-86

PART NU MBER	Q75SMA CONN.	LENGTH INCHES	+ - LENGTH	MAX.WEIGHT OU NCES	MAXIMU M VSWR :1 AT FREQU ENCY (IN GHz.) U P TO 1	1 TO 2	2 TO 3				MAXIMU M INSERTION LOSS IN dB AT FREQ. (IN GHz.) U P TO 1	1 TO 2	2 TO 3	3 TO 6			LENGTH CM
TS75E6E6-61	M-M	24	1.20	5.3	1.07	1.10	1.20				0.45	0.66	0.84	1.24			61
TS75E6E6-86	M-M	34	1.70	5.8	1.07	1.10	1.20				0.60	0.88	1.13	1.69			86
TS75E6E8-61	M-F	24	1.20	5.3	1.07	1.10	1.20				0.45	0.66	0.84	1.24			61
TS75E6E8-86	M-F	34	1.70	5.8	1.07	1.10	1.20				0.60	0.88	1.13	1.69			86
TS75E8E8-61	F-F	24	1.20	5.3	1.07	1.10	1.20				0.45	0.66	0.84	1.24			61
TS75E8E8-86	F-F	34	1.70	5.8	1.07	1.10	1.20				0.60	0.88	1.13	1.69			86

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ALSO AVAILABLE: TS1818-STRA SET OF 4 7.5 INCH 50 OHM CABLES U SED TO INTERCONNECT NETWORK ANALY ZERS TO TEST SETS.
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PRODU CT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HU MIDITY , CONSU LT FACTORY FOR PRODU CT CHARACTERISTICS AT OTHER CONDITIONS.

CABLE INSTALLATION INSTRUCTIONS FOR ANTI-TORQUE PLUGS

RECOMMENDED TOOLS AND ACCESSORIES:

A. 1/4 inch flair nut wrench for anti-torque hex.

B. 5/16 inch, 8 inch pound, break away torque wrench.

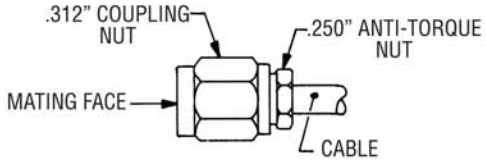
C. SMACLEAN: TENSOLITE cleaning procedure for SMA interfaces.
(see reverse side)

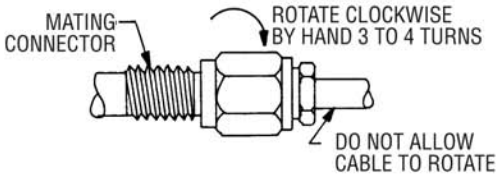
PRE INSTALLATION CHECK:

The coupling nut should turn freely with respect to the connector anti-torque hex. Visually verify that the coupling nut threads and the mating face are free of foreign material, if necessary clean per Tensolite procedure "SMACLEAN".

INSTALLATION:

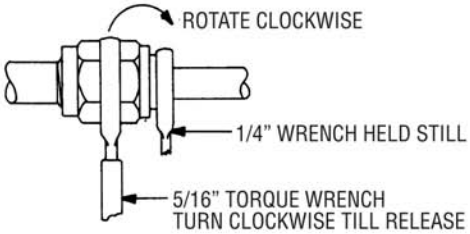
Grasp the coupling nut of the connector between the thumb and forefinger of one hand. Place the coupling nut of the anti-torque connector over the threads of the mating connector. Gently turn the coupling nut of the anti-torque plug using the thumb and forefinger (the cable should not rotate during this part of the installation process) until a slight increase in resistance to turning the nut is felt (usually 3 to 4 turns of the coupling nut). During installation where misalignment of the connectors occurs, the cable might have to be held to prevent rotation caused by torque generated due to the misalignment. The cable should be able to be held by hand, however in extreme cases when the cable cannot be prevented from rotating by hand, follow the procedure for "Torquing" for the entire installation.





TORQUING:

Place a 5/16, 7 to 9 inch pound torque wrench on the coupling nut of the connector. Place a 1/4 inch wrench on the anti-torque hex. Hold the 1/4 inch wrench steady (no rotation), if possible rest the wrench or the hand holding the wrench against a nearby object. Turn the coupling nut using the 5/16 torque wrench, until the torque wrench releases (usually 1/2 to 3/4 turn).

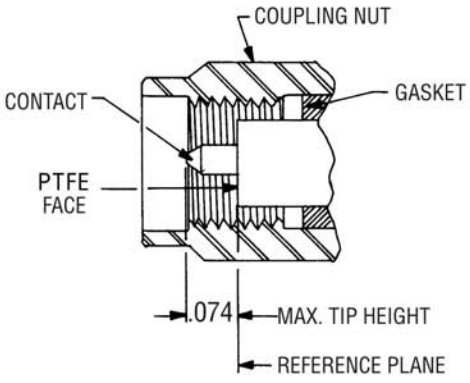


CHECK TIGHTNESS:

Remove the torque wrench and reset. Install the torque wrench on the coupling nut and apply force to the handle of the wrench until the torque wrench is close to releasing. Apply gentle force to the 1/4 inch wrench on the anti-torque hex, first counter clockwise then clockwise. The 1/4 inch wrench should not rotate. Remove both wrenches if the 1/4 inch wrench did not rotate.

PROCEDURE FOR UNITS WHICH FAIL TIGHTNESS CHECK:

- Remove connector by reversing tightening and installation procedures
- Check that the coupling nut of the connector turns freely with respect to the connector body (anti-torque hex).
- Visually inspect that the coupling nut threads are properly formed and free of foreign material. The tip height of contact should be less than .074 (TENSOLITE anti-torque connectors only, for all others less than .100) above connector reference plane.
- Visually inspect the mating female connector. The threads should be properly formed and free of foreign material. The female socket contact should be unobstructed.



CLEANING PROCEDURE FOR SMA CONNECTOR INTERFACES

SCOPE: This procedure is to be utilized to remove foreign material from the mating face of SMA connectors.

REQUIRED EQUIPMENT:

Lint free miniature swab (for both male and female)

Lint free micro swab (for female only) **Note 1**

Isopropyl alcohol per TT-I-735 **Note 3** solvent dispenser (Marshal Industries CM6-2)

Compressed "air" canned (Marshal Industries C870) **Note 2**

RECOMMENDED EQUIPMENT: Visual aide (4X to 10X)

Note 1: The swabs above are recommended because they leave no residue and are inert to the recommended solvent. Cotton swabs are not recommended because they frequently leave strands of cotton on the connectors. Wood is not recommended due to the solvents "leaching" of resin and the possibility of leaving this residue on the connector.

Note 2: Canned air is recommended due to the presence of moisture and oils in air supplied by standard industrial compressors.

Note 3: The solvent should be checked for cleanliness by applying two drops of solvent to a glass microscope slide. The solvent should be allowed to dry. The slide should then be inspected for evidence of residue from the solvent. Only solvent which is free of residue should be used.

PROCEDURE FOR SMA MALE (PIN CONTACT) CONNECTORS

STEP 1: Point the mating face of the connector to be cleaned downward and direct a stream of compressed air at the mating face of the connector. This is to remove any loose foreign material on the connector.

STEP 2: Apply two drops of alcohol to a miniature cleaning swab. Place the swab on the face of the connector touching the gold plated center pin. Rotate the connector through 2 1/2 turns while gently wiping the mating face of the connector with the swab.

STEP 3: Point the mating face of the connector downward and direct a stream of compressed air at the mating face of the connector.

STEP 4: Visually inspect the mating face to verify that all foreign material has been removed. (The use of a 4X to 10X visual aide is recommended). Repeat Steps 1 to 4 if foreign material is still evident on the connector mating face.

PROCEDURE FOR SMA FEMALE (SOCKET CONTACT) CONNECTORS

STEP 1: Point the mating face of the connector to be cleaned downward and direct a stream of compressed air at the mating face of the connector. This is to remove any loose foreign material on the connector.

STEP 2: Visually inspect the female contact for foreign material. (The use of a 4X to 10X visual aide is recommended). Do not continue with this step if no foreign material is present. Direct a stream of alcohol at the female contact. Direct a stream of compressed air at the contact. Inspect to see if foreign material was removed. Do not continue with this step if the foreign material was removed. Moisten a micro swab with one drop of alcohol. Carefully insert the micro swab into the female contact socket. Rotate the connector through 2 1/2 turns. Remove the micro swab. Inspect to see if the foreign material was removed. If the foreign material was not removed repeat this step.

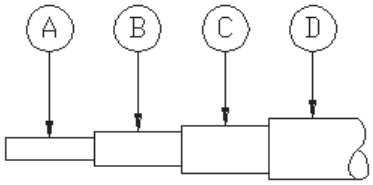
STEP 3: Apply two drops of alcohol to a miniature cleaning swab. Place the swab on the face of the connector touching the face of the shell adjacent to the insulator. Rotate the connector through 2 1/2 turns while gently wiping the mating face of the connector with the swab.

STEP 4: Point the mating face of the connector downward and direct a stream of compressed air at the mating face of the connector.

STEP 5: Visually inspect the mating face to verify that all foreign material has been removed. (The use of a 4X to 10X visual aide is recommended). Repeat Steps 2 to 5 if foreign material is still evident on the connector mating face.

PRODUCT FEATURE BULLETINS
FLEXIBLE CABLES

TENSOLITE CABLE DATA SHEET



CABLE CODE:	140	
CATEGORY:	FLEXIBLE	
DESCRIPTION:	RG-178	
IMPEDANCE:	50	OHMS
MAX. OD:	0.075	INCHES
MAX. OPERATING FREQ.:	3	GHz.
CUT OFF FREQ.:	109.3	GHz.
CLAMP CABLE GROUP:	806	
SOLDER CABLE GROUP:	978	
CRIMP CABLE GROUP:	908	
MIL SPEC:	M17/93-RG178	
FLORIDA PART X REF.:	RG178	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER WIRE	0.012
B. DIELECTRIC:	SOLID PTFE	0.033
C. OUTER BRAID:	SILVER PLATED COPPER WIRE BRAID	0.049
D. JACKET:	SOLID FEP	0.072

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	15	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.43	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	1.44	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.006	POUNDS PER FOOT	

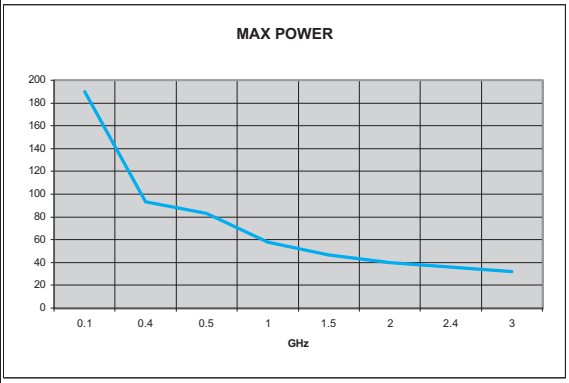
ELECTRICAL CHARACTERISTICS:

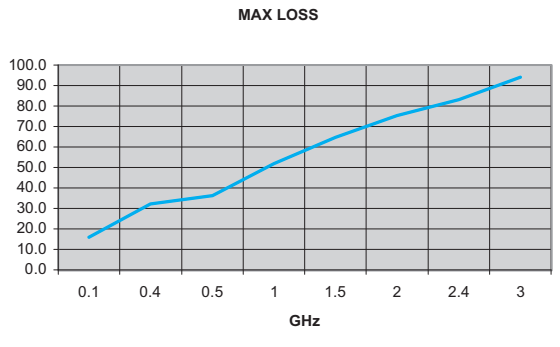
CENTER CONDUCTOR DC RESISTANCE	6.81	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	18.01	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	788	VRMS		
MAXIMUM CW POWER RATING:	32	WATTS AT	3	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	3	GHz
MAXIMUM INSERTION LOSS:	94.0	dB / 100 FT AT	3	GHz
NOMINAL INSERTION LOSS:	87.8	dB / 100 FT AT	3	GHz

To calculate maximum insertion loss at any frequency use the formula below:

49	times square root of freq. +	3.030	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-40	dB	SINGLE	SHIELDED

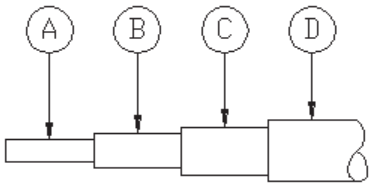
FEATURES:





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	187	
CATEGORY:	FLEXIBLE	
DESCRIPTION:	RG-316	
IMPEDANCE:	50	OHMS
MAX. OD:	0.102	INCHES
MAX. OPERATING FREQ.:	3	GHz.
CUT OFF FREQ.:	65.2	GHz.
CLAMP CABLE GROUP:	805	
SOLDER CABLE GROUP:	N/A	
CRIMP CABLE GROUP:	903	
MIL SPEC:	M17/113-RG316	
FLORIDA PART X REF.:	RG-316	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER CLAD STEEL	0.020
B. DIELECTRIC:	SOLID PTFE	0.060
C. OUTER BRAID:	SILVER PLATED COPPER WIRE BRAID	0.076
D. JACKET:	SOLID FEP	0.097

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.58	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	1.94	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.013	POUNDS PER FOOT	

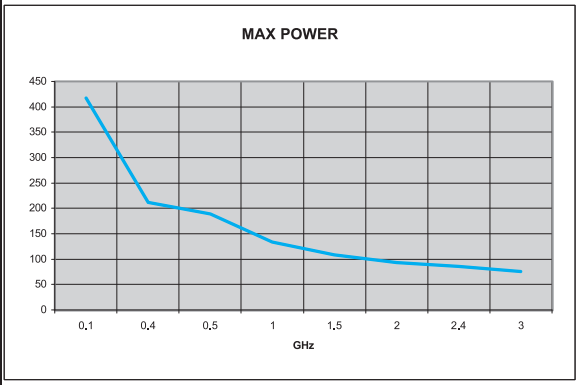
ELECTRICAL CHARACTERISTICS:

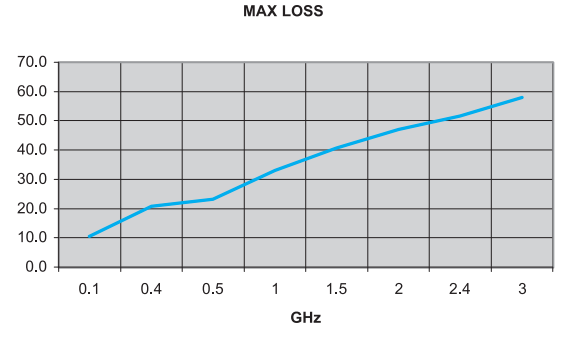
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	10.81	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1422	VRMS		
MAXIMUM CW POWER RATING:	76	WATTS AT	3	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	3	GHz
MAXIMUM INSERTION LOSS:	58.1	dB / 100 FT AT	3	GHz
NOMINAL INSERTION LOSS:	54.3	dB / 100 FT AT	3	GHz

To calculate maximum insertion loss at any frequency use the formula below:

31.5	times square root of freq. +	1.000	times freq. +	0.5 = dB/100'
RELATIVE SHIELDING:	-40	dB	SINGLE	SHIELDED

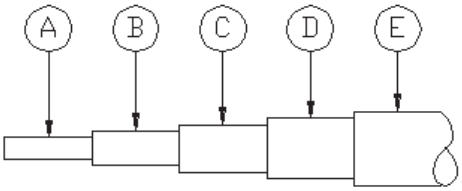
FEATURES:





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	195
CATEGORY:	FLEXIBLE
DESCRIPTION:	LOW LOSS DB-316
IMPEDANCE:	50 OHMS
MAX. OD:	0.118 INCHES
MAX. OPERATING FREQ.:	12.4 GHz.
CUT OFF FREQ.:	65.2 GHz.
CLAMP CABLE GROUP:	805
SOLDER CABLE GROUP:	195
CRIMP CABLE GROUP:	195 / 511 / 903*
MIL SPEC:	MODIFIED M17/152-00001
FLORIDA PART X REF.:	MODIFIED DB-316

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER CLAD STEEL	0.020
B. DIELECTRIC:	SOLID PTFE	0.060
C. INNER BRAID:	SILVER PLATED COPPER WIRE BRAID	0.076
D. OUTER BRAID:	SILVER PLATED COPPER WIRE BRAID	0.092
E. JACKET:	SOLID FEP	0.113

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.68	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	2.26	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.018	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

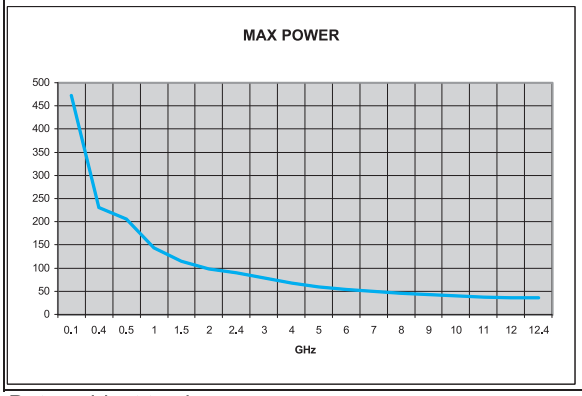
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	9.00	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1422	VRMS		
MAXIMUM CW POWER RATING:	35	WATTS AT	12.4	GHz
MAXIMUM RETURN LOSS:	-23	dB AT	12.4	GHz
MAXIMUM INSERTION LOSS:	124.8	dB / 100 FT AT	12.4	GHz
NOMINAL INSERTION LOSS:	116.7	dB / 100 FT AT	12.4	GHz

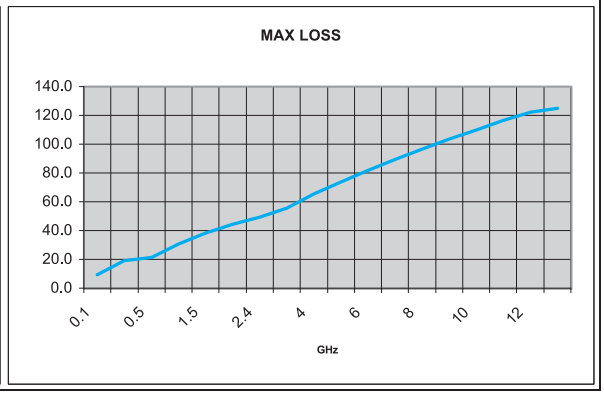
To calculate maximum insertion loss at any frequency use the formula below:

28.9 times square root of freq. + 1.860 times freq. + 0 = dB/100'

RELATIVE SHIELDING:	-60	dB	DOUBLE SHIELDED

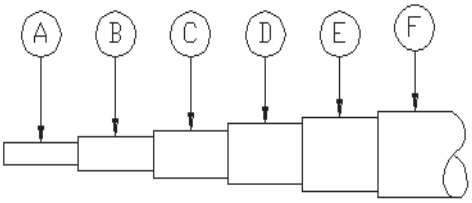
FEATURES: LOWER LOSS THAN STANDARD M17/152-00001 CABLE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	511	
CATEGORY:	FLEXIBLE	
DESCRIPTION:	ULTRAFLEX	
IMPEDANCE:	50	OHMS
MAX. OD:	0.124	INCHES
MAX. OPERATING FREQ.:	8	GHz.
CUT OFF FREQ.:	62.5	GHz.
CLAMP CABLE GROUP:	805	
SOLDER CABLE GROUP:	N/A	
CRIMP CABLE GROUP:	903	
MIL SPEC:	N/A	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER WIRE	0.019
B. DIELECTRIC:	POLYETHYLENE	0.060
C. INNER BRAID	SILVER PLATED COPPER WIRE	0.077
D. INTERLAYER	ALUMINUM / POLYESTER FOIL	0.083
E. OUTER BRAID	SILVER PLATED COPPER WIRE	0.100
F. JACKET	GRAY POLYURETHANE	0.119

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.71	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	2.38	INCHES	
TEMPERATURE RANGE:	-40 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.012	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

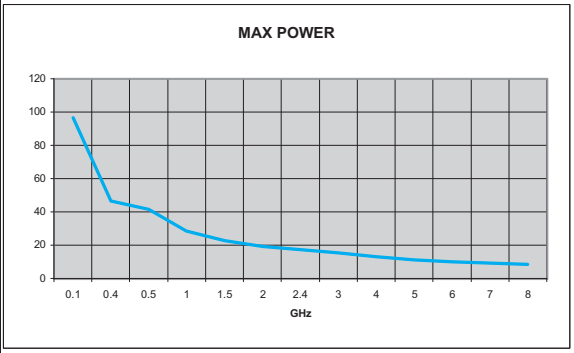
CENTER CONDUCTOR DC RESISTANCE	2.74	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	3.87	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	30.3	pf / FT.		
NOMINAL INDUCTANCE:	0.076	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	67.0	%		
NOMINAL DELAY:	1.52	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1409	VRMS		
MAXIMUM CW POWER RATING:	8	WATTS AT	8	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	8	GHz
MAXIMUM INSERTION LOSS:	106.2	dB / 100 FT AT	8	GHz
NOMINAL INSERTION LOSS:	99.2	dB / 100 FT AT	8	GHz

To calculate maximum insertion loss at any frequency use the formula below:

28.461 times square root of freq. + 3.212 times freq. + 0 = dB/100'

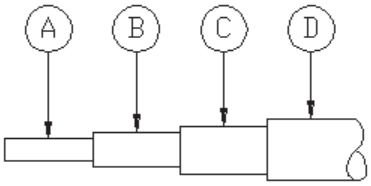
RELATIVE SHIELDING: -100 dB TRIPLE SHIELDED

FEATURES: HIGHLY FLEXIBLE WITH RUGGED JACKET
ACCEPTS MOST DOUBLE SHIELDED RG316 CONNECTORS



Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	115	
CATEGORY:	FLEXIBLE	
DESCRIPTION:	M17/28-RG58	
IMPEDANCE:	50	OHMS
MAX. OD:	0.199	INCHES
MAX. OPERATING FREQ.:	1	GHz.
CUT OFF FREQ.:	31.4	GHz.
CLAMP CABLE GROUP:	803	
SOLDER CABLE GROUP:	N/A	
CRIMP CABLE GROUP:	910	
MIL SPEC:	M17/28-RG58	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED TIN PLATED COPPER WIRE	0.036
B. DIELECTRIC:	SOLID POLYETYHLENE	0.117
C. OUTER BRAID:	TIN PLATED COPPER WIRE BRAID	0.137
D. JACKET:	BLACK POLYVINYLCHLORIDE	0.195

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.17	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	3.90	INCHES	
TEMPERATURE RANGE:	-40 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.032	POUNDS PER FOOT	

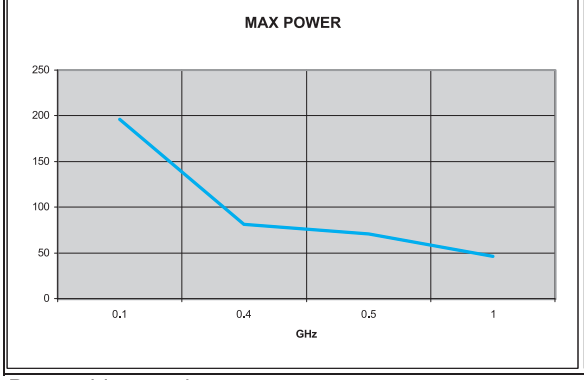
ELECTRICAL CHARACTERISTICS:

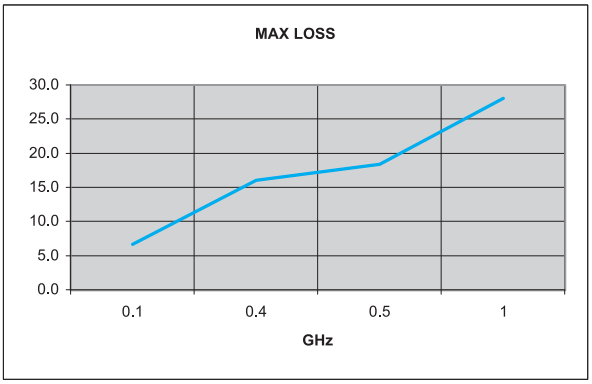
CENTER CONDUCTOR DC RESISTANCE	0.89	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	5.85	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	30.8	pf / FT.		
NOMINAL INDUCTANCE:	0.077	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	66.0	%		
NOMINAL DELAY:	1.54	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	2664	VRMS		
MAXIMUM CW POWER RATING:	46	WATTS AT	1	GHz
MAXIMUM RETURN LOSS:	-24	dB AT	1	GHz
MAXIMUM INSERTION LOSS:	28.0	dB / 100 FT AT	1	GHz
NOMINAL INSERTION LOSS:	26.2	dB / 100 FT AT	1	GHz

To calculate maximum insertion loss at any frequency use the formula below:

26	times square root of freq. +	4.000	times freq. + -2 = dB/100'
RELATIVE SHIELDING:	-40	dB	SINGLE SHIELDED

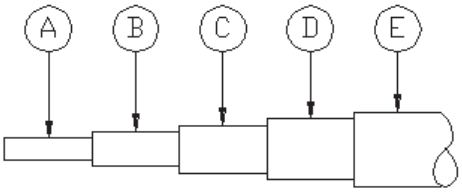
FEATURES:





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	132	
CATEGORY:	FLEXIBLE	
DESCRIPTION:	RG-142	
IMPEDANCE:	50	OHMS
MAX. OD:	0.200	INCHES
MAX. OPERATING FREQ.:	8	GHz.
CUT OFF FREQ.:	34.6	GHz.
CLAMP CABLE GROUP:	803	
SOLDER CABLE GROUP:	803	
CRIMP CABLE GROUP:	910	
MIL SPEC:	M17/60-RG142	
FLORIDA PART X REF.:	RG-142	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SOLID SILVER PLATED COPPER WELD STEEL	0.036
B. DIELECTRIC:	SOLID PTFE	0.117
C. INNER BRAID:	SILVER PLATED COPPER WIRE BRAID	0.137
D. OUTER BRAID:	SILVER PLATED COPPER WIRE BRAID	0.157
E. JACKET:	SOLID FEP	0.195

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.17	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	3.90	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.047	POUNDS PER FOOT	

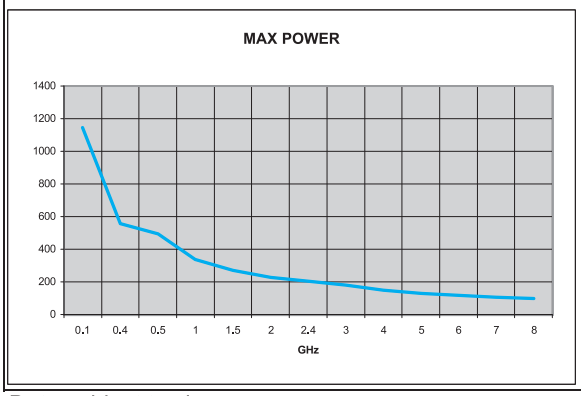
ELECTRICAL CHARACTERISTICS:

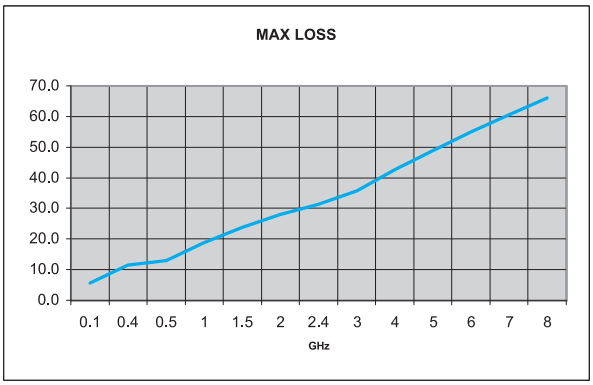
CENTER CONDUCTOR DC RESISTANCE	0.76	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	3.11	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1875	VRMS		
MAXIMUM CW POWER RATING:	97	WATTS AT	8	GHz
MAXIMUM RETURN LOSS:	-19	dB AT	8	GHz
MAXIMUM INSERTION LOSS:	66.0	dB / 100 FT AT	8	GHz
NOMINAL INSERTION LOSS:	61.7	dB / 100 FT AT	8	GHz

To calculate maximum insertion loss at any frequency use the formula below:

16.15	times square root of freq. +	2.510	times freq. +	0.24 = dB/100'
RELATIVE SHIELDING:	-70	dB	DOUBLE	SHIELDED

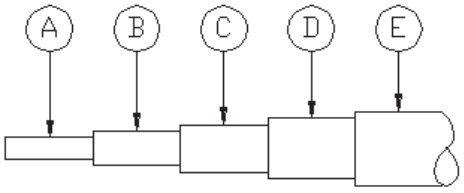
FEATURES:





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	190	
CATEGORY:	FLEXIBLE	
DESCRIPTION:	RG-400	
IMPEDANCE:	50	OHMS
MAX. OD:	0.200	INCHES
MAX. OPERATING FREQ.:	12.4	GHz.
CUT OFF FREQ.:	33.1	GHz.
CLAMP CABLE GROUP:	803	
SOLDER CABLE GROUP:	803	
CRIMP CABLE GROUP:	910	
MIL SPEC:	M17/128-RG400	
FLORIDA PART X REF.:	RG-400	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER WIRE	0.038
B. DIELECTRIC:	SOLID PTFE	0.117
C. INNER BRAID:	SILVER PLATED COPPER WIRE BRAID	0.137
D. OUTER BRAID:	SILVER PLATED COPPER WIRE BRAID	0.157
E. JACKET:	SOLID FEP	0.195

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.17	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	3.90	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.047	POUNDS PER FOOT	

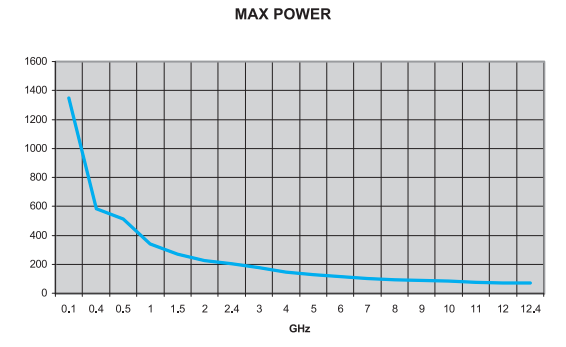
ELECTRICAL CHARACTERISTICS:

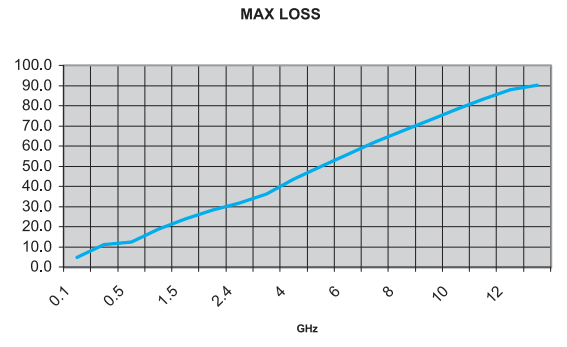
CENTER CONDUCTOR DC RESISTANCE	0.66	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	4.94	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	2695	VRMS		
MAXIMUM CW POWER RATING:	71	WATTS AT	12.4	GHz
MAXIMUM RETURN LOSS:	-17	dB AT	12.4	GHz
MAXIMUM INSERTION LOSS:	90.0	dB / 100 FT AT	12.4	GHz
NOMINAL INSERTION LOSS:	84.1	dB / 100 FT AT	12.4	GHz

To calculate maximum insertion loss at any frequency use the formula below:

17.4 times square root of freq. +	2.400	times freq. +	-1 = dB/100'
RELATIVE SHIELDING:	-70	dB	DOUBLE SHIELDED

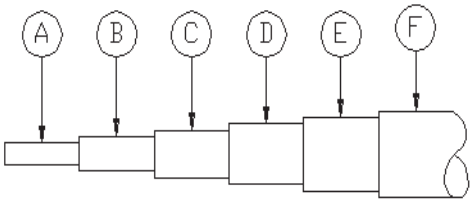
FEATURES:





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	301	
CATEGORY:	FLEXIBLE	
DESCRIPTION:	LOW LOSS	
IMPEDANCE:	50	OHMS
MAX. OD:	0.200	INCHES
MAX. OPERATING FREQ.:	18	GHz.
CUT OFF FREQ.:	30.7	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	301	
CRIMP CABLE GROUP:	301	
MIL SPEC:	N/A	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WIRE	0.051
B. DIELECTRIC:	AIR SPACED PTFE	0.145
C. INNER BRAID	FLAT SILVER PLATED COPPER STRIP	0.152
D. INTERLAYER	ALUMINUM / POLYESTER FOIL	0.157
E. OUTER BRAID	SILVER PLATED COPPER WIRE	0.177
F. JACKET	GRAY TINT FEP	0.195

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.17	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	3.90	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.048	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

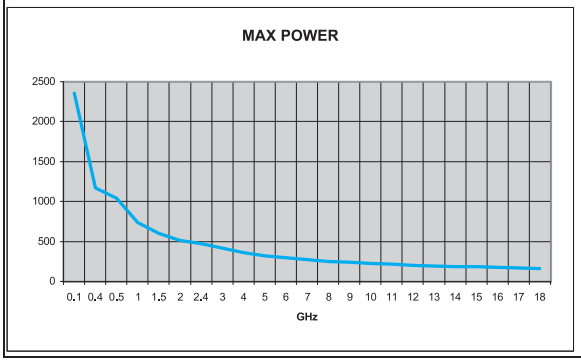
CENTER CONDUCTOR DC RESISTANCE	0.38	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	2.07	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	25.4	pf / FT.		
NOMINAL INDUCTANCE:	0.064	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	80.0	%		
NOMINAL DELAY:	1.27	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	2349	VRMS		
MAXIMUM CW POWER RATING:	169	WATTS AT	18	GHz
MAXIMUM RETURN LOSS:	-22	dB AT	18	GHz
MAXIMUM INSERTION LOSS:	39.0	dB / 100 FT AT	18	GHz
NOMINAL INSERTION LOSS:	36.8	dB / 100 FT AT	18	GHz

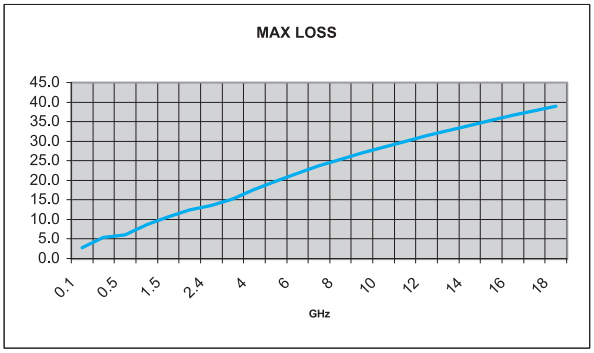
To calculate maximum insertion loss at any frequency use the formula below:

8.55 times square root of freq. + 0.150 times freq. + 0 = dB/100'

RELATIVE SHIELDING:	-100	dB	TRIPLE SHIELDED

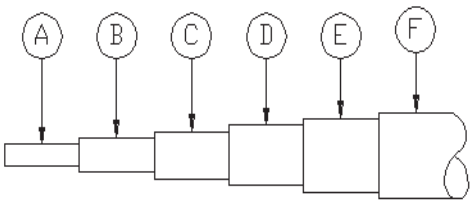
FEATURES: LOWEST LOSS .200 DIAMETER CABLE
MAINTAINS ELECTRICAL CHARACTERISTICS WITH FLEXING





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	504
CATEGORY:	FLEXIBLE
DESCRIPTION:	HIGH PERFORMANCE
IMPEDANCE:	50 OHMS
MAX. OD:	0.200 INCHES
MAX. OPERATING FREQ.:	26.5 GHz.
CUT OFF FREQ.:	34.1 GHz.
CLAMP CABLE GROUP:	803
SOLDER CABLE GROUP:	402, 504
CRIMP CABLE GROUP:	910
MIL SPEC:	N/A
FLORIDA PART X REF.:	504

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WELD STEEL	0.037
B. DIELECTRIC:	SOLID PTFE	0.117
C. INNER BRAID	FLAT SILVER PLATED COPPER STRIP BRAID	0.127
D. INTERLAYER	ALUMINUM / POLYESTER FOIL	0.134
E. OUTER BRAID	SILVER PLATED COPPER WIRE	0.154
F. JACKET	BROWN TINT FEP	0.195

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.17	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	3.90	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.048	POUNDS PER FOOT	

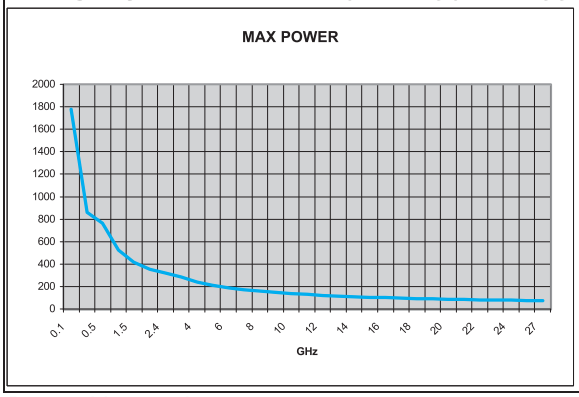
ELECTRICAL CHARACTERISTICS:

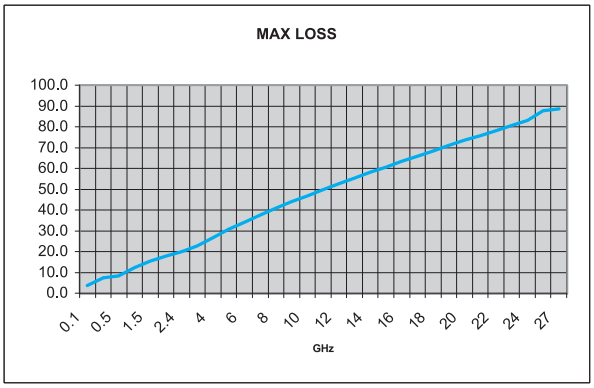
CENTER CONDUCTOR DC RESISTANCE	0.73	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	3.29	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1879	VRMS		
MAXIMUM CW POWER RATING:	72	WATTS AT	26.5	GHz
MAXIMUM RETURN LOSS:	-22	dB AT	26.5	GHz
MAXIMUM INSERTION LOSS:	88.7	dB / 100 FT AT	26.5	GHz
NOMINAL INSERTION LOSS:	82.9	dB / 100 FT AT	26.5	GHz

To calculate maximum insertion loss at any frequency use the formula below:

11	times square root of freq. +	1.210	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	TRIPLE	SHIELDED

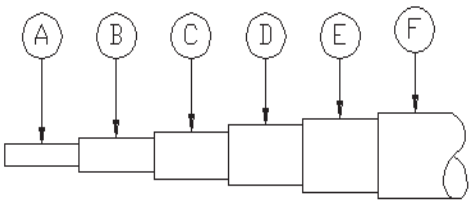
FEATURES: AVAILABLE ON TENSOLITE ASSEMBLIES ONLY





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	510
CATEGORY:	FLEXIBLE
DESCRIPTION:	SUPERFLEX
IMPEDANCE:	50 OHMS
MAX. OD:	0.217 INCHES
MAX. OPERATING FREQ.:	8 GHz.
CUT OFF FREQ.:	32.3 GHz.
CLAMP CABLE GROUP:	803
SOLDER CABLE GROUP:	N/A
CRIMP CABLE GROUP:	910
MIL SPEC:	N/A
FLORIDA PART X REF.:	N/A

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER WIRE	0.036
B. DIELECTRIC:	POLYETHYLENE	0.116
C. INNER BRAID	SILVER PLATED COPPER WIRE	0.137
D. INTERLAYER	ALUMINUM / POLYESTER FOIL	0.143
E. OUTER BRAID	SILVER PLATED COPPER WIRE	0.165
F. JACKET	GRAY POLYURETHANE	0.212

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.27	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	4.24	INCHES	
TEMPERATURE RANGE:	-40 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.043	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

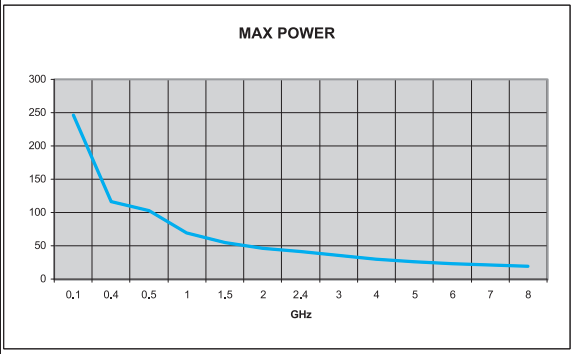
CENTER CONDUCTOR DC RESISTANCE	0.78	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	2.48	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	30.3	pf / FT.		
NOMINAL INDUCTANCE:	0.076	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	67.0	%		
NOMINAL DELAY:	1.52	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	2645	VRMS		
MAXIMUM CW POWER RATING:	19	WATTS AT	8	GHz
MAXIMUM RETURN LOSS:	-23	dB AT	8	GHz
MAXIMUM INSERTION LOSS:	68.0	dB / 100 FT AT	8	GHz
NOMINAL INSERTION LOSS:	63.5	dB / 100 FT AT	8	GHz

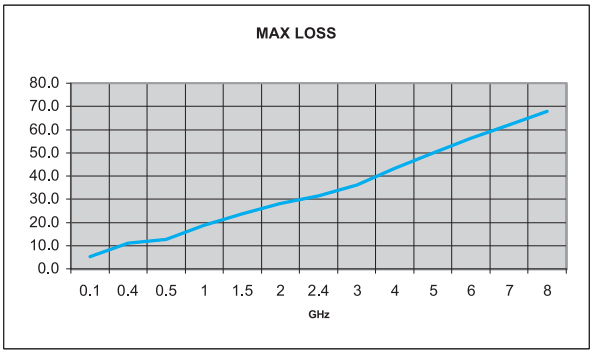
To calculate maximum insertion loss at any frequency use the formula below:

15.752 times square root of freq. + 2.929 times freq. + 0 = dB/100'

RELATIVE SHIELDING: -100 dB TRIPLE SHIELDED

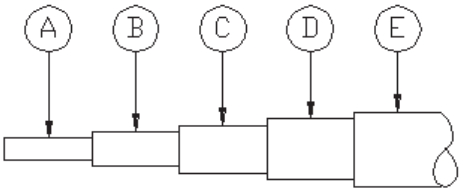
FEATURES: HIGHLY FLEXIBLE WITH RUGGED JACKET
ACCEPTS MOST DOUBLE RG142 CONNECTORS





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	174	
CATEGORY:	FLEXIBLE	
DESCRIPTION:	RG-223	
IMPEDANCE:	50	OHMS
MAX. OD:	0.216	INCHES
MAX. OPERATING FREQ.:	12.4	GHz.
CUT OFF FREQ.:	32.1	GHz.
CLAMP CABLE GROUP:	803	
SOLDER CABLE GROUP:	N/A	
CRIMP CABLE GROUP:	910	
MIL SPEC:	M17/84-RG223	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WIRE	0.035
B. DIELECTRIC:	SOLID POLYETHLENE	0.116
C. INNER BRAID:	SILVER PLATED COPPER WIRE	0.136
D. OUTER BRAID:	SILVER PLATED COPPER WIRE	0.156
E. JACKET:	BLACK POLYVINYLCHLORIDE	0.212

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.27	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	4.24	INCHES	
TEMPERATURE RANGE:	-55 / +84	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.041	POUNDS PER FOOT	

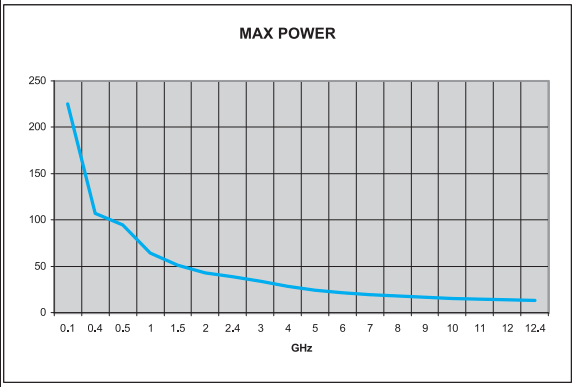
ELECTRICAL CHARACTERISTICS:

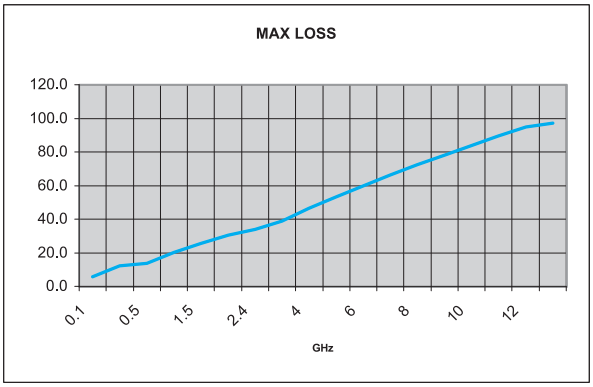
CENTER CONDUCTOR DC RESISTANCE	0.80	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	5.76	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	30.3	pf / FT.		
NOMINAL INDUCTANCE:	0.076	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	67.0	%		
NOMINAL DELAY:	1.52	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1853	VRMS		
MAXIMUM CW POWER RATING:	13	WATTS AT	12.4	GHz
MAXIMUM RETURN LOSS:	-19.5	dB AT	12.4	GHz
MAXIMUM INSERTION LOSS:	97.1	dB / 100 FT AT	12.4	GHz
NOMINAL INSERTION LOSS:	90.7	dB / 100 FT AT	12.4	GHz

To calculate maximum insertion loss at any frequency use the formula below:

17.35	times square root of freq. +	2.900	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-60	dB	DOUBLE	SHIELDED

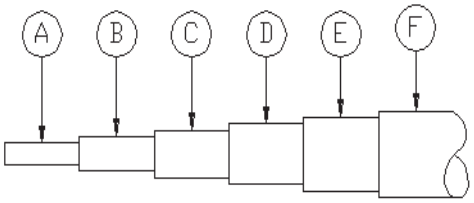
FEATURES:





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	521
CATEGORY:	FLEXIBLE
DESCRIPTION:	SUPERFLEX 75
IMPEDANCE:	75 OHMS
MAX. OD:	0.217 INCHES
MAX. OPERATING FREQ.:	3 GHz.
CUT OFF FREQ.:	36.9 GHz.
CLAMP CABLE GROUP:	521
SOLDER CABLE GROUP:	N/A
CRIMP CABLE GROUP:	521
MIL SPEC:	N/A
FLORIDA PART X REF.:	N/A

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER WIRE	0.019
B. DIELECTRIC:	POLYETHYLENE	0.117
C. INNER BRAID	SILVER PLATED COPPER WIRE	0.138
D. INTERLAYER	ALUMINUM / POLYESTER FOIL	0.147
E. OUTER BRAID	SILVER PLATED COPPER WIRE	0.168
F. JACKET	GREY POLYURETHANE	0.212

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.27	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	4.24	INCHES	
TEMPERATURE RANGE:	-50 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.045	POUNDS PER FOOT	

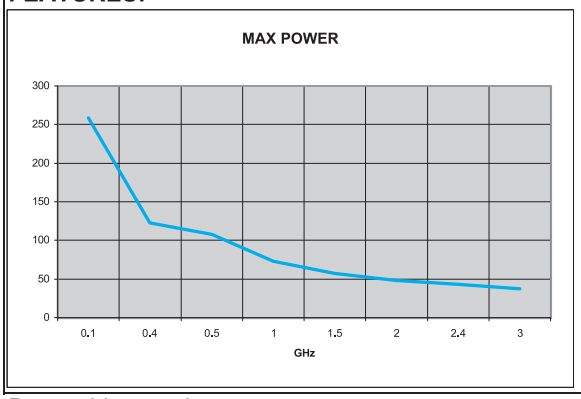
ELECTRICAL CHARACTERISTICS:

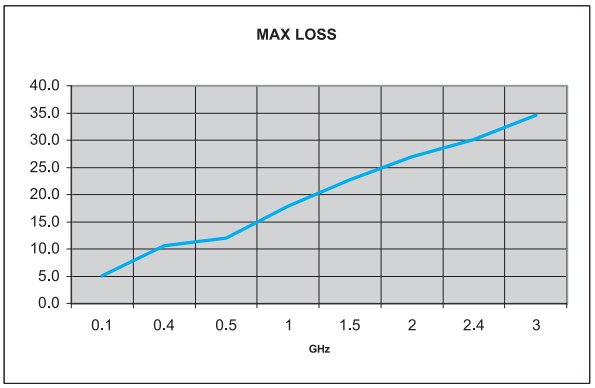
CENTER CONDUCTOR DC RESISTANCE	2.72	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	3.87	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	75	OHMS		
NOMINAL CAPACITANCE:	20.3	pf / FT.		
NOMINAL INDUCTANCE:	0.114	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	66.8	%		
NOMINAL DELAY:	1.52	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	2196	VRMS		
MAXIMUM CW POWER RATING:	38	WATTS AT	3	GHz
MAXIMUM RETURN LOSS:	-23	dB AT	3	GHz
MAXIMUM INSERTION LOSS:	34.6	dB / 100 FT AT	3	GHz
NOMINAL INSERTION LOSS:	32.3	dB / 100 FT AT	3	GHz

To calculate maximum insertion loss at any frequency use the formula below:

14.984	times square root of freq. +	2.883	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	TRIPLE	SHIELDED

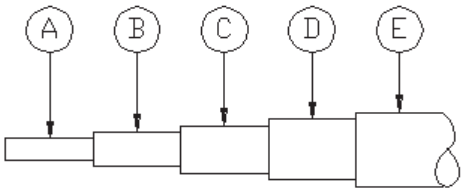
FEATURES:





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	163	
CATEGORY:	FLEXIBLE	
DESCRIPTION:	RG-214	
IMPEDANCE:	50	OHMS
MAX. OD:	0.432	INCHES
MAX. OPERATING FREQ.:	11	GHz.
CUT OFF FREQ.:	13.3	GHz.
CLAMP CABLE GROUP:	802	
SOLDER CABLE GROUP:	N/A	
CRIMP CABLE GROUP:	905	
MIL SPEC:	M17/75-RG214	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER WIRE	0.089
B. DIELECTRIC:	POLYETHYLENE	0.285
C. INNER BRAID:	SILVER PLATED COPPER WIRE	0.310
D. OUTER BRAID:	SILVER PLATED COPPER WIRE	0.335
E. JACKET:	BLACK POLYVINYLCLORIDE	0.425

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	80	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	2.55	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	8.50	INCHES	
TEMPERATURE RANGE:	-40 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.130	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

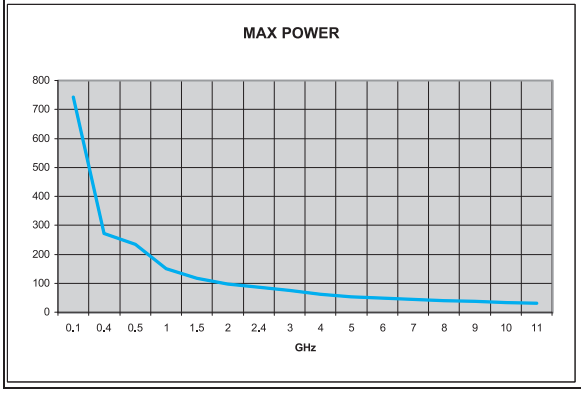
CENTER CONDUCTOR DC RESISTANCE	0.12	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	2.07	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	30.3	pf / FT.		
NOMINAL INDUCTANCE:	0.076	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	67.0	%		
NOMINAL DELAY:	1.52	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	6685	VRMS		
MAXIMUM CW POWER RATING:	32	WATTS AT	11	GHz
MAXIMUM RETURN LOSS:	-17	dB AT	11	GHz
MAXIMUM INSERTION LOSS:	59.5	dB / 100 FT AT	11	GHz
NOMINAL INSERTION LOSS:	55.6	dB / 100 FT AT	11	GHz

To calculate maximum insertion loss at any frequency use the formula below:

12.25	times square root of freq. +	1.850	times freq. + -1.5 = dB/100'

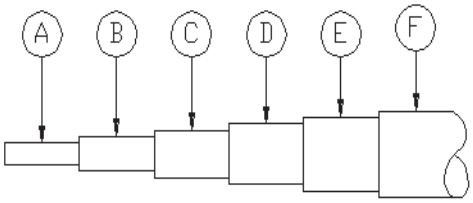
RELATIVE SHIELDING:	-60	dB	DOUBLE SHIELDED

FEATURES:



Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	404
CATEGORY:	FLEXIBLE
DESCRIPTION:	SF-214
IMPEDANCE:	50 OHMS
MAX. OD:	0.432 INCHES
MAX. OPERATING FREQ.:	13 GHz.
CUT OFF FREQ.:	13.3 GHz.
CLAMP CABLE GROUP:	802
SOLDER CABLE GROUP:	N/A
CRIMP CABLE GROUP:	905
MIL SPEC:	N/A
FLORIDA PART X REF.:	N/A

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER WIRE	0.089
B. DIELECTRIC:	SOLID POLYETHYLENE	0.285
C. INNER BRAID	FLAT SILVER PLATED COPPER STRIP	0.295
D. INTERLAYER	ALUMINUM / POLYESTER FOIL	0.304
E. OUTER BRAID	SILVER PLATED COPPER WIRE	0.329
F. JACKET	BLACK POLYVINYLCLORIDE	0.425

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	80	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	2.55	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	8.50	INCHES	
TEMPERATURE RANGE:	-40 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.134	POUNDS PER FOOT	

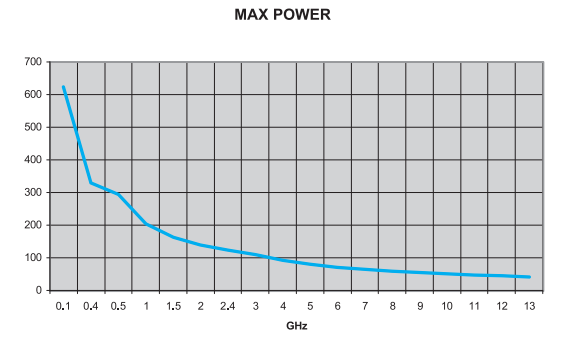
ELECTRICAL CHARACTERISTICS:

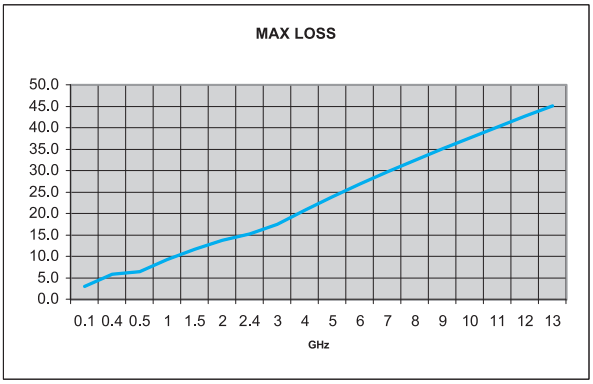
CENTER CONDUCTOR DC RESISTANCE	0.12	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	2.07	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	30.3	pf / FT.		
NOMINAL INDUCTANCE:	0.076	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	67.0	%		
NOMINAL DELAY:	1.52	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	6685	VRMS		
MAXIMUM CW POWER RATING:	42	WATTS AT	13	GHz
MAXIMUM RETURN LOSS:	-17	dB AT	13	GHz
MAXIMUM INSERTION LOSS:	45.1	dB / 100 FT AT	13	GHz
NOMINAL INSERTION LOSS:	42.2	dB / 100 FT AT	13	GHz

To calculate maximum insertion loss at any frequency use the formula below:

7.3	times square root of freq. +	1.400	times freq. +	0.6 = dB/100'
RELATIVE SHIELDING:		-100	dB	TRIPLE SHIELDED

FEATURES:

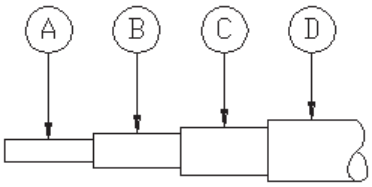




Data subject to change

PRODUCT FEATURE BULLETINS
SEMI-RIGID AND SEMI-FLEX® CABLES

TENSOLITE CABLE DATA SHEET



CABLE CODE:	600
CATEGORY:	SEMI-FLEX(R)
DESCRIPTION:	.086 RIGID TYPE
IMPEDANCE:	50 OHMS
MAX. OD:	0.089 INCHES
MAX. OPERATING FREQ.:	26.5 GHz.
CUT OFF FREQ.:	62.0 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	600, 977
CRIMP CABLE GROUP:	N/A
MIL SPEC:	N/A
FLORIDA PART X REF.:	N/A

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER CLAD STEEL	0.020
B. DIELECTRIC:	SOLID PTFE	0.062
C. OUTER BRAID:	COPPER / POLYESTER FOIL	0.072
D. JACKET:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.087

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.13	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.38	INCHES	
TEMPERATURE RANGE:	-50 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.011	POUNDS PER FOOT	

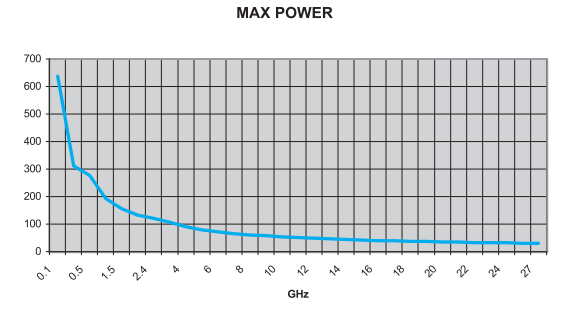
ELECTRICAL CHARACTERISTICS:

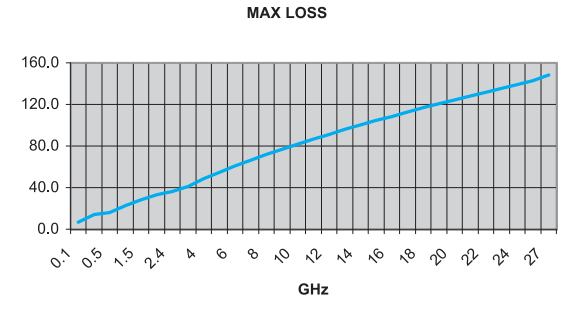
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.29	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1401	VRMS		
MAXIMUM CW POWER RATING:	30	WATTS AT	26.5	GHz
MAXIMUM RETURN LOSS:	-16.5	dB AT	26.5	GHz
MAXIMUM INSERTION LOSS:	148.2	dB / 100 FT AT	26.5	GHz
NOMINAL INSERTION LOSS:	139.8	dB / 100 FT AT	26.5	GHz

To calculate maximum insertion loss at any frequency use the formula below:

21.412	times square root of freq. +	1.434	times freq. +	0 = dB/100'
RELATIVE SHIELDING:		-100	dB	DOUBLE SHIELDED

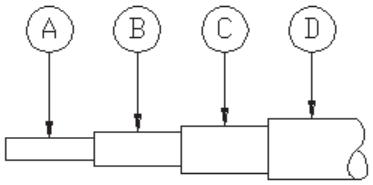
FEATURES: SEMI-RIGID REPLACEMENT CABLE AVAILABLE ON TENSOLITE ASSEMBLIES ONLY
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	600	
CATEGORY:	SEMI-FLEX(R)	
DESCRIPTION:	.086 RIGID TYPE	
IMPEDANCE:	50	OHMS
MAX. OD:	0.089	INCHES
MAX. OPERATING FREQ.:	40	GHz.
CUT OFF FREQ.:	62.0	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	600, 977	
CRIMP CABLE GROUP:	N/A	
MIL SPEC:	N/A	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER CLAD STEEL	0.020
B. DIELECTRIC:	SOLID PTFE	0.062
C. OUTER BRAID:	COPPER / POLYESTER FOIL	0.072
D. JACKET:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.087

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.13	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.38	INCHES	
TEMPERATURE RANGE:	-50 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.011	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

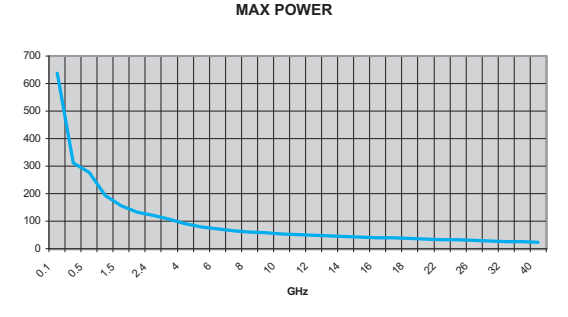
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.29	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1401	VRMS		
MAXIMUM CW POWER RATING:	23	WATTS AT	40	GHz
MAXIMUM RETURN LOSS:	-16	dB AT	40	GHz
MAXIMUM INSERTION LOSS:	192.8	dB / 100 FT AT	40	GHz
NOMINAL INSERTION LOSS:	181.9	dB / 100 FT AT	40	GHz

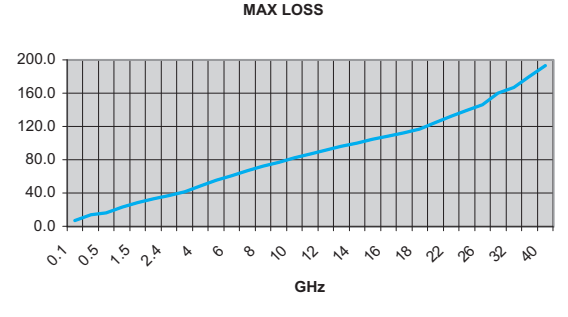
To calculate maximum insertion loss at any frequency use the formula below:

21.412 times square root of freq. + 1.434 times freq. + 0 = dB/100'

RELATIVE SHIELDING:	-100	dB	DOUBLE	SHIELDED

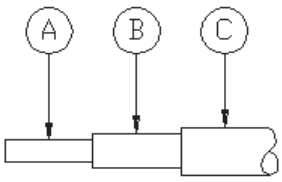
FEATURES: SEMI-RIGID REPLACEMENT CABLE AVAILABLE ON TENSOLITE ASSEMBLIES ONLY
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	617	
CATEGORY:	SEMI-FLEX(R) II	
DESCRIPTION:	.086 RIGID TYPE	
IMPEDANCE:	50	OHMS
MAX. OD:	0.089	INCHES
MAX. OPERATING FREQ.:	20	GHz.
CUT OFF FREQ.:	62.0	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	977	
CRIMP CABLE GROUP:	977	
MIL SPEC:	M17/133-00013	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WELD STEEL	0.020
B. DIELECTRIC:	PTFE	0.066
C. JACKET:	TIN COATED ASTM B-211 ALUMINUM	0.086

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.13	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.38	INCHES	
TEMPERATURE RANGE:	-65 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.008	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

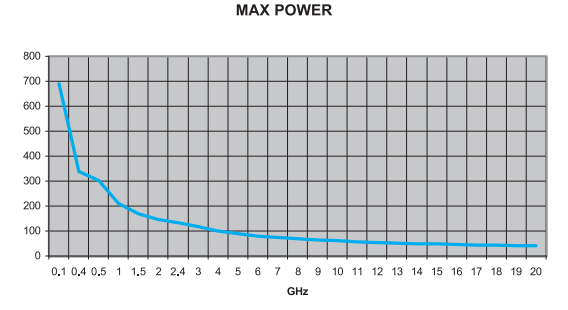
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.39	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1056	VRMS		
MAXIMUM CW POWER RATING:	40	WATTS AT	20	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	20	GHz
MAXIMUM INSERTION LOSS:	109.2	dB / 100 FT AT	20	GHz
NOMINAL INSERTION LOSS:	103.0	dB / 100 FT AT	20	GHz

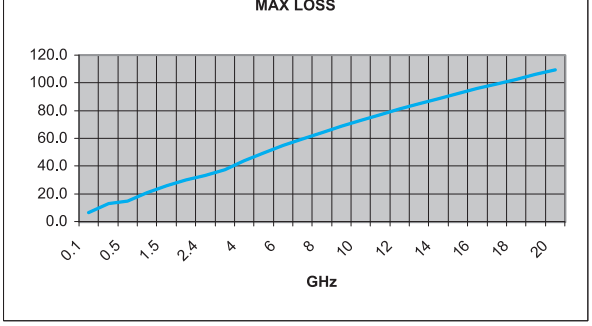
To calculate maximum insertion loss at any frequency use the formula below:

19.86	times square root of freq. +	1.021	times freq. +	0 = dB/100'
RELATIVE SHIELDING:		-100	dB	SINGLE SHIELDED

FEATURES:

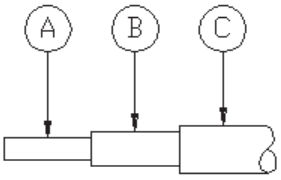
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	678	
CATEGORY:	SEMI-RIGID	
DESCRIPTION:	M17/133-00006	
IMPEDANCE:	50	OHMS
MAX. OD:	0.088	INCHES
MAX. OPERATING FREQ.:	26.5	GHz.
CUT OFF FREQ.:	62.0	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	977	
CRIMP CABLE GROUP:	977	
MIL SPEC:	M17/133-00006	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WELD STEEL	0.020
B. DIELECTRIC:	PTFE	0.066
C. JACKET:	COPPER TUBE	0.086

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.13	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.25	INCHES	
TEMPERATURE RANGE:	-55 / +125	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.017	POUNDS PER FOOT	

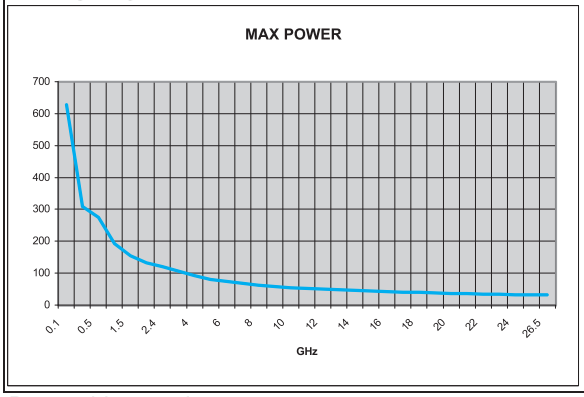
ELECTRICAL CHARACTERISTICS:

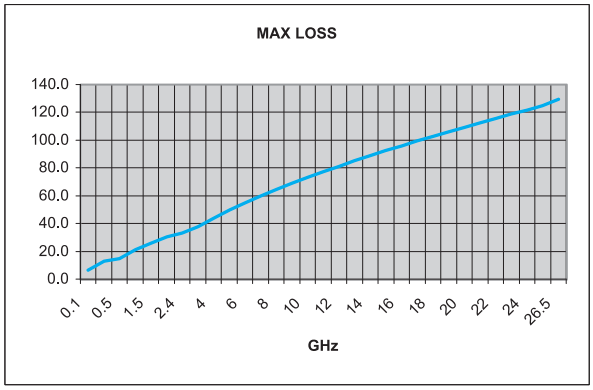
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.24	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1056	VRMS		
MAXIMUM CW POWER RATING:	31	WATTS AT	26.5	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	26.5	GHz
MAXIMUM INSERTION LOSS:	129.2	dB / 100 FT AT	26.5	GHz
NOMINAL INSERTION LOSS:	123.1	dB / 100 FT AT	26.5	GHz

To calculate maximum insertion loss at any frequency use the formula below:

20.01	times square root of freq. +	0.990	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	SINGLE	SHIELDED

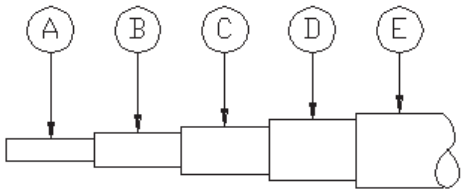
FEATURES:





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	620
CATEGORY:	SEMI-FLEX(R) PLUS
DESCRIPTION:	.086 RIGID TYPE
IMPEDANCE:	50 OHMS
MAX. OD:	0.120 INCHES
MAX. OPERATING FREQ.:	26.5 GHz.
CUT OFF FREQ.:	62.0 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	600, 977
CRIMP CABLE GROUP:	N/A
MIL SPEC:	N/A
FLORIDA PART X REF.:	N/A

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER CLAD STEEL WIRE	0.020
B. DIELECTRIC:	SOLID PTFE	0.062
C. INNER BRAID:	COPPER / POLYESTER FOIL	0.072
D. OUTER BRAID:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.087
E. JACKET:	GRAY TINT TRANSLUCENT POLYURETHANE	0.115

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.13	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.38	INCHES	
TEMPERATURE RANGE:	-50 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.015	POUNDS PER FOOT	

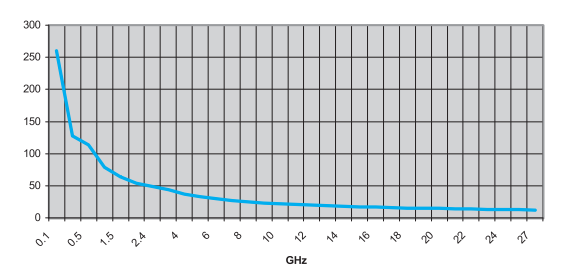
ELECTRICAL CHARACTERISTICS:

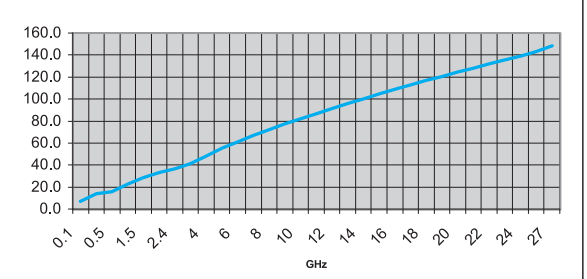
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL	
OUTER CONDUCTOR DC RESISTANCE	0.29	OHMS / 100 FEET NOMINAL	
NOMINAL IMPEDANCE:	50	OHMS	
NOMINAL CAPACITANCE:	28.7	pf / FT.	
NOMINAL INDUCTANCE:	0.072	uh / FT	
NOMINAL VELOCITY OF PROPAGATION:	70.7	%	
NOMINAL DELAY:	1.44	nS / FT.	
MAXIMUM OPERATING VOLTAGE:	1000	VRMS	
MAXIMUM CW POWER RATING:	12	WATTS AT	26.5 GHz
MAXIMUM RETURN LOSS:	-22	dB AT	26.5 GHz
MAXIMUM INSERTION LOSS:	148.2	dB / 100 FT AT	26.5 GHz
NOMINAL INSERTION LOSS:	139.8	dB / 100 FT AT	26.5 GHz

To calculate maximum insertion loss at any frequency use the formula below:

21.412	times square root of freq. +	1.434	times freq. +	0 = dB/100'
RELATIVE SHIELDING:		-100	dB	DOUBLE SHIELDED

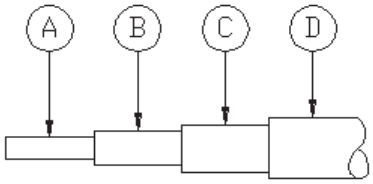
FEATURES: SEMI-RIGID REPLACEMENT CABLE AVAILABLE ON TENSOLITE ASSEMBLIES ONLY.
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	671	
CATEGORY:	SEMI-FLEX(R)	
DESCRIPTION:	.141 RIGID TYPE	
IMPEDANCE:	75	OHMS
MAX. OD:	0.141	INCHES
MAX. OPERATING FREQ.:	3	GHz.
CUT OFF FREQ.:	38.4	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	671, 971	
CRIMP CABLE GROUP:	N/A	
MIL SPEC:	N/A	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WIRE	0.020
B. DIELECTRIC:	SOLID PTFE	0.115
C. OUTER BRAID:	COPPER / POLYESTER FOIL	0.125
D. JACKET:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.139

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	50	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.19	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.50	INCHES	
TEMPERATURE RANGE:	-50 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.030	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

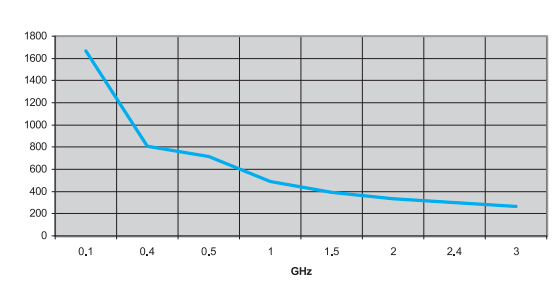
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.08	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	75	OHMS		
NOMINAL CAPACITANCE:	19.2	pf / FT.		
NOMINAL INDUCTANCE:	0.108	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	2169	VRMS		
MAXIMUM CW POWER RATING:	265	WATTS AT	3	GHz
MAXIMUM RETURN LOSS:	-22	dB AT	3	GHz
MAXIMUM INSERTION LOSS:	24.2	dB / 100 FT AT	3	GHz
NOMINAL INSERTION LOSS:	22.8	dB / 100 FT AT	3	GHz

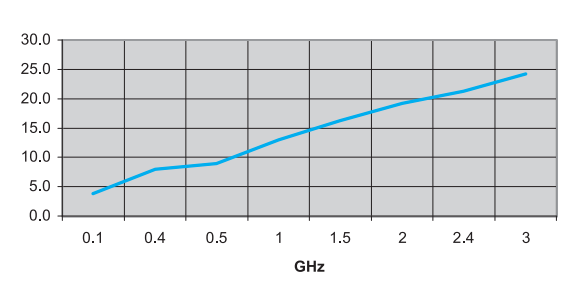
To calculate maximum insertion loss at any frequency use the formula below:

11.72	times square root of freq. +	1.292	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	DOUBLE	SHIELDED

FEATURES: SEMI-RIGID REPLACEMENT CABLE

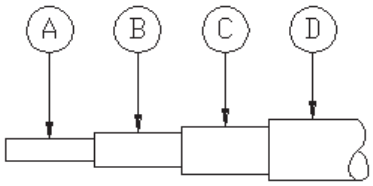
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	601
CATEGORY:	SEMI-FLEX(R)
DESCRIPTION:	.141 RIGID TYPE
IMPEDANCE:	50 OHMS
MAX. OD:	0.141 INCHES
MAX. OPERATING FREQ.:	26.5 GHz.
CUT OFF FREQ.:	34.4 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	601, 976
CRIMP CABLE GROUP:	N/A
MIL SPEC:	N/A
FLORIDA PART X REF.:	N/A

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER CLAD STEEL	0.036
B. DIELECTRIC:	SOLID PTFE	0.117
C. OUTER BRAID:	COPPER / POLYESTER FOIL	0.127
D. JACKET:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.139

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.19	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.50	INCHES	
TEMPERATURE RANGE:	-50 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.030	POUNDS PER FOOT	

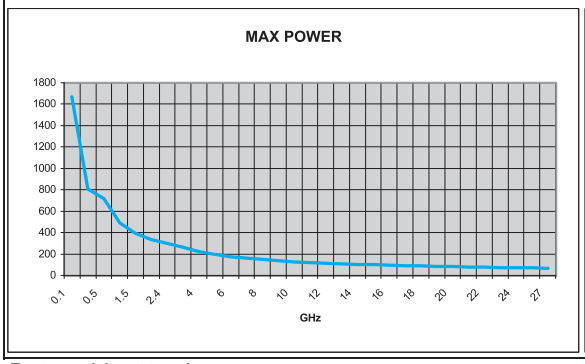
ELECTRICAL CHARACTERISTICS:

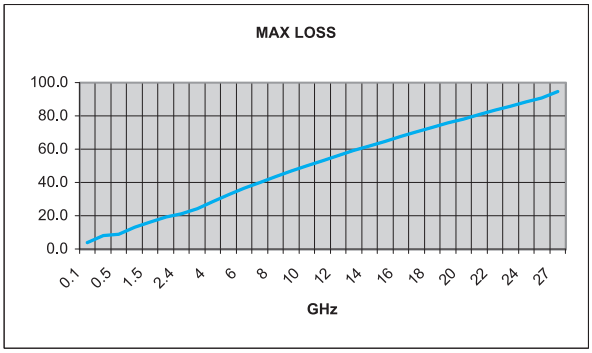
CENTER CONDUCTOR DC RESISTANCE	0.75	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.08	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	2627	VRMS		
MAXIMUM CW POWER RATING:	68	WATTS AT	26.5	GHz
MAXIMUM RETURN LOSS:	-22	dB AT	26.5	GHz
MAXIMUM INSERTION LOSS:	94.6	dB / 100 FT AT	26.5	GHz
NOMINAL INSERTION LOSS:	89.2	dB / 100 FT AT	26.5	GHz

To calculate maximum insertion loss at any frequency use the formula below:

11.719	times square root of freq. +	1.292	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	DOUBLE	SHIELDED

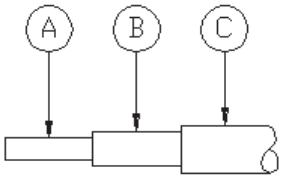
FEATURES: SEMI-RIGID REPLACEMENT CABLE AVAILABLE ONLY ON TENSOLITE ASSEMBLIES. EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	602	
CATEGORY:	SEMI-RIGID	
DESCRIPTION:	.141 LOW LOSS	
IMPEDANCE:	50	OHMS
MAX. OD:	0.143	INCHES
MAX. OPERATING FREQ.:	26.5	GHz.
CUT OFF FREQ.:	37.1	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	979	
CRIMP CABLE GROUP:	N/A	
MIL SPEC:	N/A	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WIRE	0.045
B. DIELECTRIC:	AIR SPACED PTFE	0.118
C. JACKET:	COPPER TUBE	0.141

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.50	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	1.00	INCHES	
TEMPERATURE RANGE:	-65 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.015	POUNDS PER FOOT	

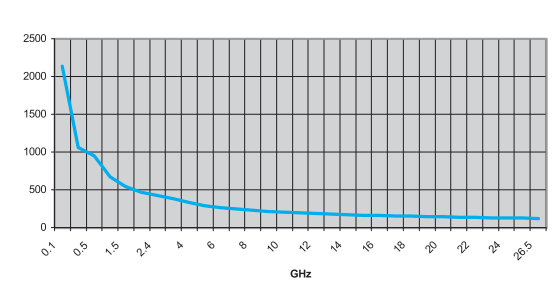
ELECTRICAL CHARACTERISTICS:

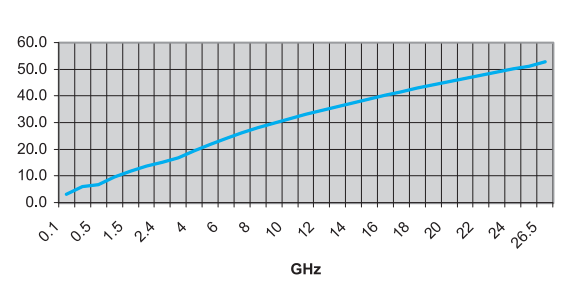
CENTER CONDUCTOR DC RESISTANCE	0.48	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.07	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	24.5	pf / FT.		
NOMINAL INDUCTANCE:	0.061	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	83.0	%		
NOMINAL DELAY:	1.22	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1917	VRMS		
MAXIMUM CW POWER RATING:	121	WATTS AT	26.5	GHz
MAXIMUM RETURN LOSS:	-23	dB AT	26.5	GHz
MAXIMUM INSERTION LOSS:	52.8	dB / 100 FT AT	26.5	GHz
NOMINAL INSERTION LOSS:	49.8	dB / 100 FT AT	26.5	GHz

To calculate maximum insertion loss at any frequency use the formula below:

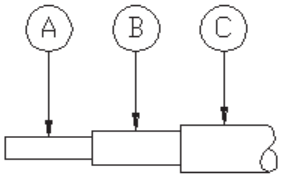
9.445	times square root of freq. +	0.158	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	SINGLE	SHIELDED

FEATURES: 35% LOWER LOSS THAN SOLID DIELECTRIC SEMI-RIGID CABLE
POWER HANDLING TWICE THAT OF SOLID DIELECTRIC SEMI-RIGID CABLE.





TENSOLITE CABLE DATA SHEET



CABLE CODE:	618	
CATEGORY:	SEMI-FLEX(R) II	
DESCRIPTION:	.141 RIGID TYPE	
IMPEDANCE:	50	OHMS
MAX. OD:	0.144	INCHES
MAX. OPERATING FREQ.:	20	GHz.
CUT OFF FREQ.:	34.4	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	976	
CRIMP CABLE GROUP:	976	
MIL SPEC:	M17/130-00009	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WELD STEEL	0.036
B. DIELECTRIC:	PTFE	0.117
C. JACKET:	TIN COATED ASTM B-211 ALUMINUM	0.141

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.15	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.40	INCHES	
TEMPERATURE RANGE:	-65 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.017	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

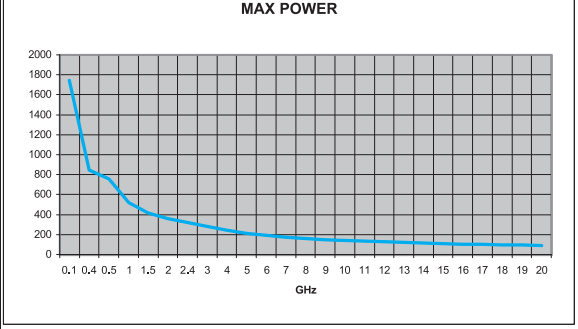
CENTER CONDUCTOR DC RESISTANCE	0.75	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.12	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1876	VRMS		
MAXIMUM CW POWER RATING:	91	WATTS AT	20	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	20	GHz
MAXIMUM INSERTION LOSS:	70.4	dB / 100 FT AT	20	GHz
NOMINAL INSERTION LOSS:	66.4	dB / 100 FT AT	20	GHz

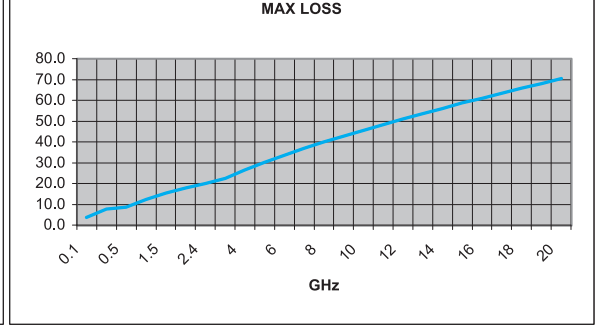
To calculate maximum insertion loss at any frequency use the formula below:

11.297	times square root of freq. +	0.992	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	SINGLE	SHIELDED

FEATURES:

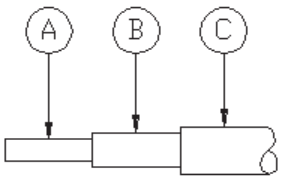
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	676	
CATEGORY:	SEMI-RIGID	
DESCRIPTION:	M17/130-00004	
IMPEDANCE:	50	OHMS
MAX. OD:	0.143	INCHES
MAX. OPERATING FREQ.:	26.5	GHz.
CUT OFF FREQ.:	34.4	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	976	
CRIMP CABLE GROUP:	976	
MIL SPEC:	M17/130-00004	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WELD STEEL	0.036
B. DIELECTRIC:	PTFE	0.116
C. JACKET:	COPPER TUBE	0.141

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.13	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.25	INCHES	
TEMPERATURE RANGE:	-55 / +125	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.037	POUNDS PER FOOT	

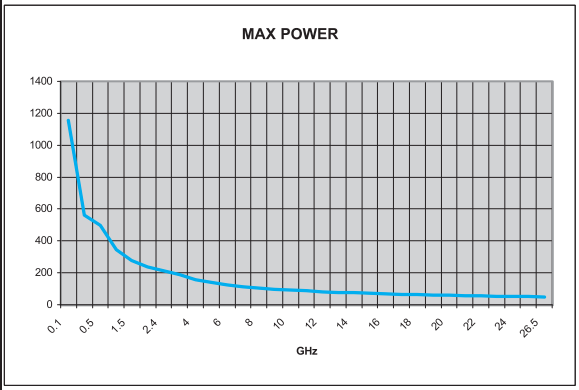
ELECTRICAL CHARACTERISTICS:

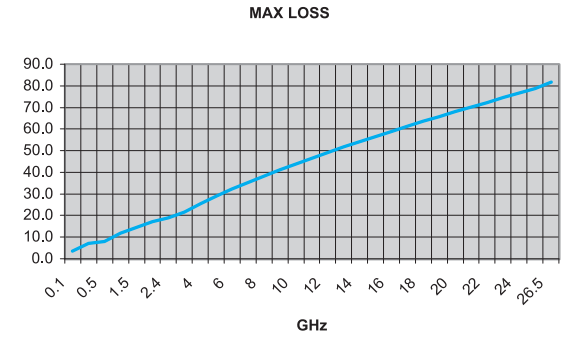
CENTER CONDUCTOR DC RESISTANCE	0.75	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.08	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1863	VRMS		
MAXIMUM CW POWER RATING:	49	WATTS AT	26.5	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	26.5	GHz
MAXIMUM INSERTION LOSS:	81.8	dB / 100 FT AT	26.5	GHz
NOMINAL INSERTION LOSS:	77.9	dB / 100 FT AT	26.5	GHz

To calculate maximum insertion loss at any frequency use the formula below:

10.716	times square root of freq. +	1.003	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	SINGLE	SHIELDED

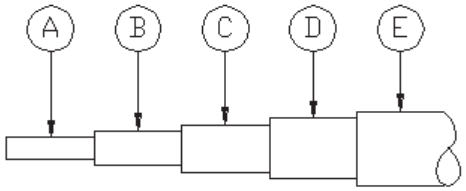
FEATURES:





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	621
CATEGORY:	SEMI-FLEX(R) PLUS
DESCRIPTION:	.141 RIGID TYPE
IMPEDANCE:	50 OHMS
MAX. OD:	0.173 INCHES
MAX. OPERATING FREQ.:	26.5 GHz.
CUT OFF FREQ.:	34.4 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	601, 976
CRIMP CABLE GROUP:	N/A
MIL SPEC:	N/A
FLORIDA PART X REF.:	N/A

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WELD STEEL	0.036
B. DIELECTRIC:	SOLID PTFE	0.117
C. INNER BRAID:	COPPER / POLYESTER FOIL	0.127
D. OUTER BRAID:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.141
E. JACKET:	GRAY TINT TRANSLUCENT POLYURETHANE	0.168

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.19	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.50	INCHES	
TEMPERATURE RANGE:	-50 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.046	POUNDS PER FOOT	

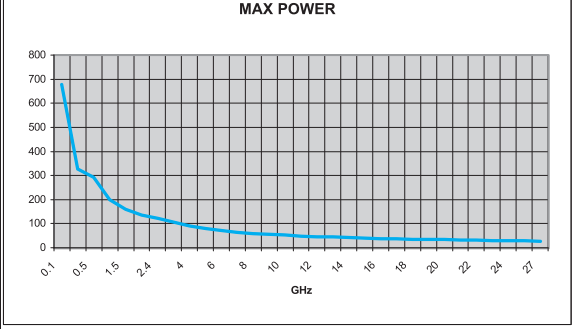
ELECTRICAL CHARACTERISTICS:

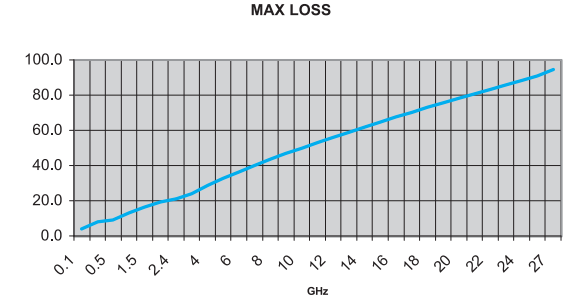
CENTER CONDUCTOR DC RESISTANCE	0.75	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.08	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1876	VRMS		
MAXIMUM CW POWER RATING:	27	WATTS AT	26.5	GHz
MAXIMUM RETURN LOSS:	-22	dB AT	26.5	GHz
MAXIMUM INSERTION LOSS:	94.6	dB / 100 FT AT	26.5	GHz
NOMINAL INSERTION LOSS:	89.2	dB / 100 FT AT	26.5	GHz

To calculate maximum insertion loss at any frequency use the formula below:

11.719	times square root of freq. +	1.292	times freq. +	0 = dB/100'
RELATIVE SHIELDING:		-100	dB	DOUBLE SHIELDED

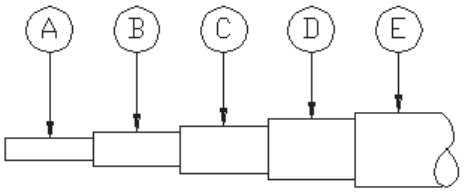
FEATURES: SEMI-RIGID REPLACEMENT CABLE AVAILABLE ON TENSOLITE ASSEMBLIES ONLY. EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	650	
CATEGORY:	SEMI-FLEX(R) HIGH TEMP	
DESCRIPTION:	.086 RIGID TYPE	
IMPEDANCE:	50	OHMS
MAX. OD:	0.115	INCHES
MAX. OPERATING FREQ.:	18	GHz.
CUT OFF FREQ.:	62.0	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	600, 977	
CRIMP CABLE GROUP:	N/A	
MIL SPEC:	N/A	
FLORIDA PART X REF.:	N/A	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WELD STEEL WIRE	0.020
B. DIELECTRIC:	SOLID PTFE	0.062
C. INNER BRAID:	COPPER / POLYESTER FOIL	0.072
D. OUTER BRAID:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.087
E. JACKET:	FEP (Fluorinated Ethylene Propylene) LIGHT BLUE	0.110

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.13	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.38	INCHES	
TEMPERATURE RANGE:	-50 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.015	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

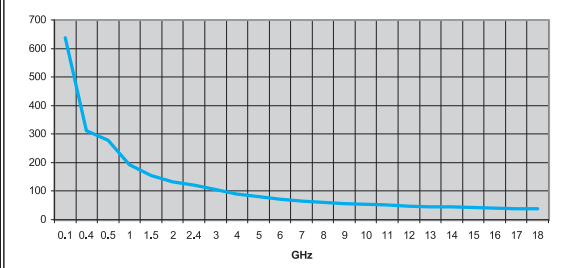
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.29	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1000	VRMS		
MAXIMUM CW POWER RATING:	38	WATTS AT	18	GHz
MAXIMUM RETURN LOSS:	-22	dB AT	18	GHz
MAXIMUM INSERTION LOSS:	116.7	dB / 100 FT AT	18	GHz
NOMINAL INSERTION LOSS:	110.1	dB / 100 FT AT	18	GHz

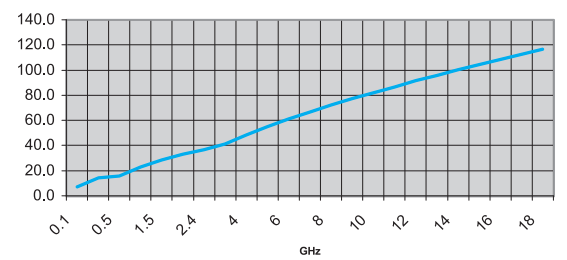
To calculate maximum insertion loss at any frequency use the formula below:

21.412	times square root of freq. +	1.434	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	DOUBLE	SHIELDED

FEATURES: SEMI-RIGID REPLACEMENT CABLE

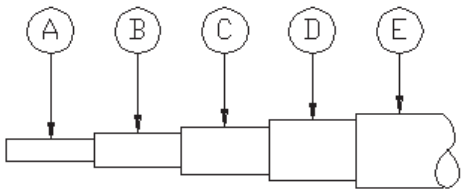
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	461
CATEGORY:	.086 Q-FLEX(R)
DESCRIPTION:	RIGID REPLACEMENT
IMPEDANCE:	50 OHMS
MAX. OD:	0.109 INCHES
MAX. OPERATING FREQ.:	18 GHz.
CUT OFF FREQ.:	62.0 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	977, 461
CRIMP CABLE GROUP:	N/A
MIL SPEC:	N/A
FLORIDA PART X REF.:	LLF-1087

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER CLAD STEEL	0.020
B. DIELECTRIC:	SOLID PTFE	0.065
C. INNER BRAID:	SILVER PLATED COPPER SPIRAL STRIP	0.073
D. OUTER BRAID:	SILVER PLATED COPPER WIRE BRAIDS	0.087
E. JACKET:	SOLID FEP	0.105

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.63	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	2.10	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.015	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	4.03	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1042	VRMS		
MAXIMUM CW POWER RATING:	41	WATTS AT	18	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	18	GHz
MAXIMUM INSERTION LOSS:	106.8	dB / 100 FT AT	18	GHz
NOMINAL INSERTION LOSS:	99.8	dB / 100 FT AT	18	GHz

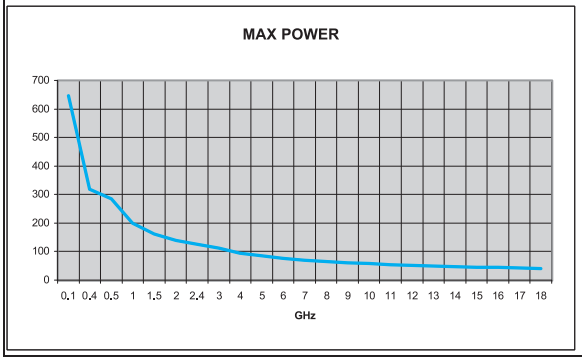
To calculate maximum insertion loss at any frequency use the formula below:

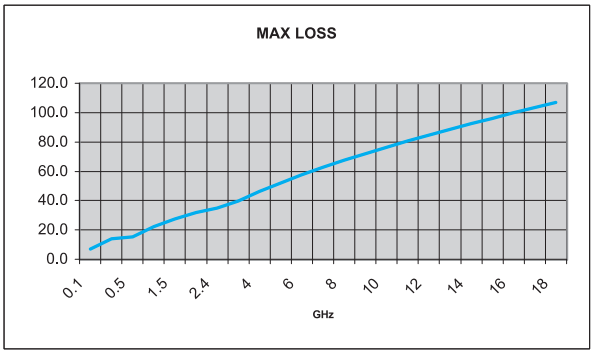
21.204 times square root of freq. + 0.935 times freq. + 0 = dB/100'

RELATIVE SHIELDING:	-90	dB	DOUBLE SHIELDED

FEATURES: SEMI-RIGID REPLACEMENT CABLE

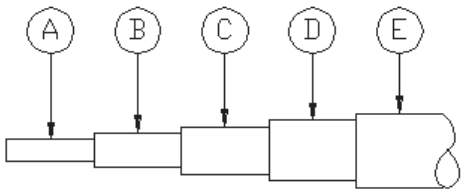
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	794
CATEGORY:	.086 Q-FLEX(R)
DESCRIPTION:	RIGID REPLACEMENT
IMPEDANCE:	50 OHMS
MAX. OD:	0.109 INCHES
MAX. OPERATING FREQ.:	40 GHz.
CUT OFF FREQ.:	62.0 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	977, 461
CRIMP CABLE GROUP:	N/A
MIL SPEC:	N/A
FLORIDA PART X REF.:	HFF-1087

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER CLAD STEEL	0.020
B. DIELECTRIC:	SOLID PTFE	0.065
C. INNER BRAID:	SILVER PLATED COPPER SPIRAL STRIP	0.073
D. OUTER BRAID:	SILVER PLATED COPPER WIRE BRAIDS	0.087
E. JACKET:	SOLID FEP	0.105

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.63	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	2.10	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.015	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

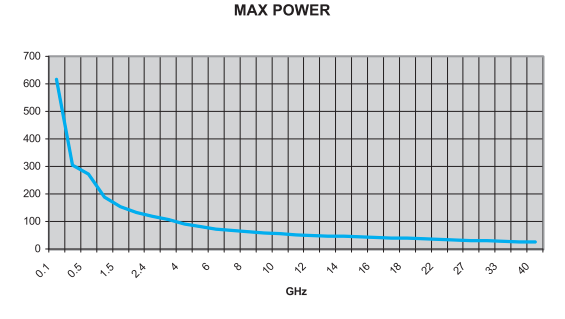
CENTER CONDUCTOR DC RESISTANCE	2.43	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	4.03	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1042	VRMS		
MAXIMUM CW POWER RATING:	24	WATTS AT	40	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	40	GHz
MAXIMUM INSERTION LOSS:	179.7	dB / 100 FT AT	40	GHz
NOMINAL INSERTION LOSS:	168.0	dB / 100 FT AT	40	GHz

To calculate maximum insertion loss at any frequency use the formula below:

22.25	times square root of freq. +	0.975	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-90	dB	DOUBLE	SHIELDED

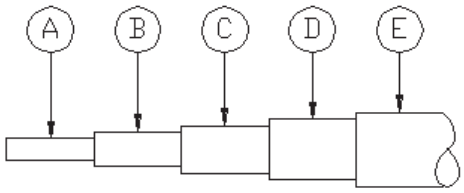
FEATURES: SEMI-RIGID REPLACEMENT CABLE

EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE



Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	463
CATEGORY:	.141 Q-FLEX(R)
DESCRIPTION:	RIGID REPLACEMENT
IMPEDANCE:	50 OHMS
MAX. OD:	0.168 INCHES
MAX. OPERATING FREQ.:	18 GHz.
CUT OFF FREQ.:	34.4 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	463, 976
CRIMP CABLE GROUP:	N/A
MIL SPEC:	N/A
FLORIDA PART X REF.:	LLF-1141

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WELD STEEL WIRE	0.036
B. DIELECTRIC:	SOLID PTFE	0.117
C. INNER BRAID:	SILVER PLATED COPPER SPIRAL STRIP	0.128
D. OUTER BRAID:	SILVER PLATED COPPER WIRE BRAIDS	0.141
E. JACKET:	SOLID FEP	0.163

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.98	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	3.26	INCHES	
TEMPERATURE RANGE:	-55 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.033	POUNDS PER FOOT	

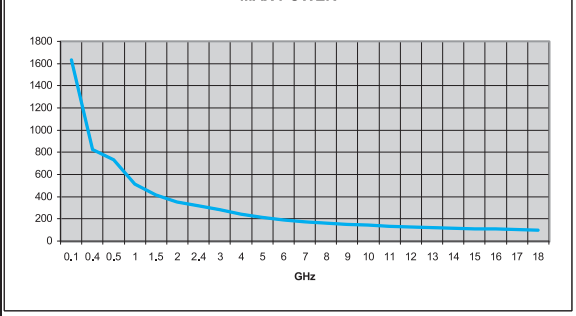
ELECTRICAL CHARACTERISTICS:

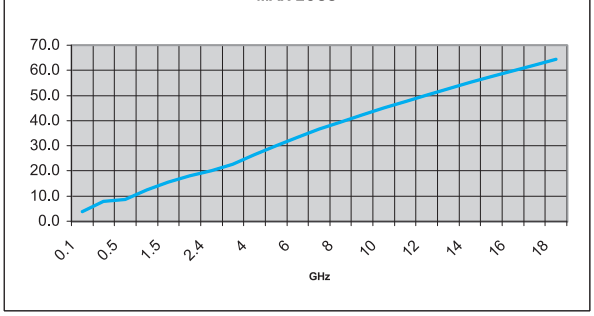
CENTER CONDUCTOR DC RESISTANCE	0.75	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	2.07	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1876	VRMS		
MAXIMUM CW POWER RATING:	99	WATTS AT	18	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	18	GHz
MAXIMUM INSERTION LOSS:	64.4	dB / 100 FT AT	18	GHz
NOMINAL INSERTION LOSS:	60.8	dB / 100 FT AT	18	GHz

To calculate maximum insertion loss at any frequency use the formula below:

11.4	times square root of freq. +	0.880	times freq. +	0.22 = dB/100'
RELATIVE SHIELDING:		-90	dB	DOUBLE SHIELDED

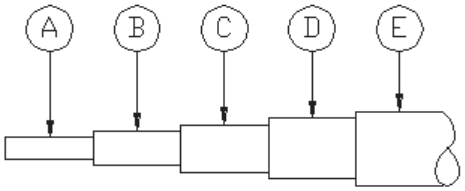
FEATURES: SEMI-RIGID REPLACEMENT CABLE.
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE.





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	465	
CATEGORY:	.250 Q-FLEX(R)	
DESCRIPTION:	RIGID REPLACEMENT	
IMPEDANCE:	50	OHMS
MAX. OD:	0.275	INCHES
MAX. OPERATING FREQ.:	18	GHz.
CUT OFF FREQ.:	19.5	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	465, 975	
CRIMP CABLE GROUP:	N/A	
MIL SPEC:	N/A	
FLORIDA PART X REF.:	LLF-1250	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER WIRE	0.064
B. DIELECTRIC:	SOLID PTFE	0.209
C. INNER BRAID:	SILVER PLATED COPPER SPIRAL STRIP	0.217
D. OUTER BRAID:	SILVER PLATED COPPER WIRE	0.246
E. JACKET:	SOLID FEP	0.270

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	80	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.62	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	5.40	INCHES	
TEMPERATURE RANGE:	-50 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.097	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

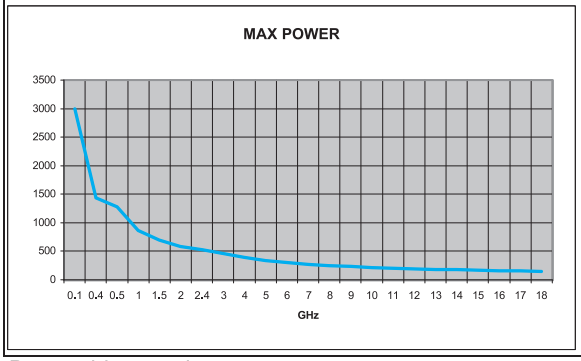
CENTER CONDUCTOR DC RESISTANCE	0.24	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	2.07	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	3347	VRMS		
MAXIMUM CW POWER RATING:	147	WATTS AT	18	GHz
MAXIMUM RETURN LOSS:	-20	dB AT	18	GHz
MAXIMUM INSERTION LOSS:	49.5	dB / 100 FT AT	18	GHz
NOMINAL INSERTION LOSS:	45.9	dB / 100 FT AT	18	GHz

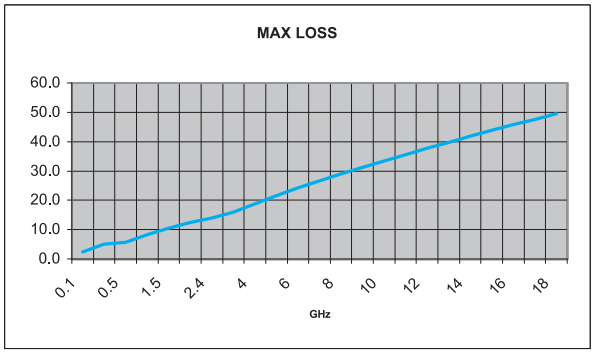
To calculate maximum insertion loss at any frequency use the formula below:

7.39	times square root of freq. +	1.010	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-90	dB	DOUBLE	SHIELDED

FEATURES: SEMI-RIGID REPLACEMENT CABLE

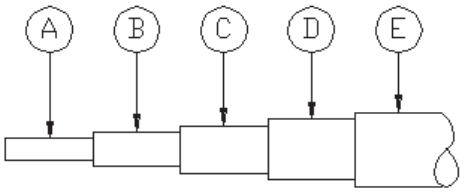
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	561
CATEGORY:	.086 Q-FLEX(R) PLUS
DESCRIPTION:	RIGID REPLACEMENT
IMPEDANCE:	50 OHMS
MAX. OD:	0.119 INCHES
MAX. OPERATING FREQ.:	18 GHz.
CUT OFF FREQ.:	63.0 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	461, 561, 977
CRIMP CABLE GROUP:	N/A
MIL SPEC:	N/A
FLORIDA PART X REF.:	561

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER CLAD STEEL	0.021
B. DIELECTRIC:	SOLID PTFE	0.063
C. INNER BRAID:	HELICAL WRAP SILVER PLATED COPPER STRIP	0.071
D. OUTER BRAID:	SILVER PLATED COPPER WIRE	0.085
E. JACKET:	SOLID CLEAR POLYURETHANE	0.115

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.69	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	2.30	INCHES	
TEMPERATURE RANGE:	-50 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.014	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

CENTER CONDUCTOR DC RESISTANCE	2.27	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	6.30	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	1491	VRMS		
MAXIMUM CW POWER RATING:	39	WATTS AT	18	GHz
MAXIMUM RETURN LOSS:	-22	dB AT	18	GHz
MAXIMUM INSERTION LOSS:	113.8	dB / 100 FT AT	18	GHz
NOMINAL INSERTION LOSS:	105.3	dB / 100 FT AT	18	GHz

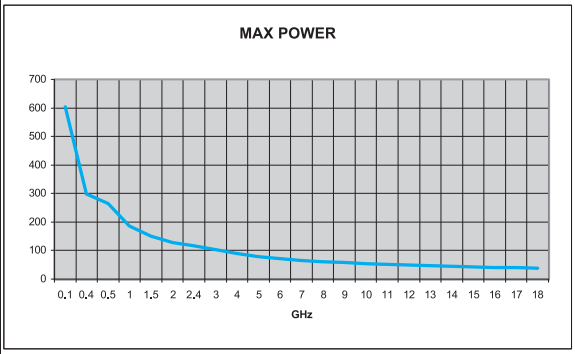
To calculate maximum insertion loss at any frequency use the formula below:

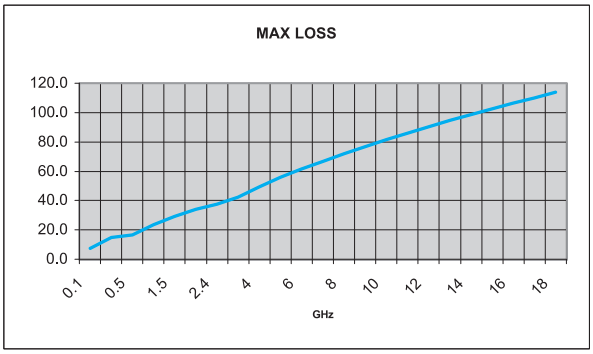
22.788 times square root of freq. + 0.950 times freq. + -0.02 = dB/100'

RELATIVE SHIELDING:	-90	dB	DOUBLE	SHIELDED

FEATURES: SEMI-RIGID REPLACEMENT CABLE

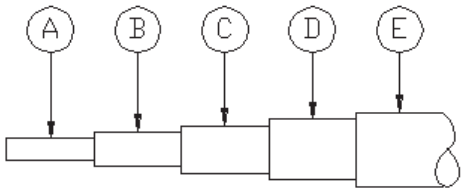
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	563	
CATEGORY:	.141 Q-FLEX(R) PLUS	
DESCRIPTION:	RIGID REPLACEMENT	
IMPEDANCE:	50	OHMS
MAX. OD:	0.185	INCHES
MAX. OPERATING FREQ.:	18	GHz.
CUT OFF FREQ.:	34.7	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	463, 563, 976	
CRIMP CABLE GROUP:	N/A	
MIL SPEC:	N/A	
FLORIDA PART X REF.:	563	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER WIRE	0.038
B. DIELECTRIC:	SOLID PTFE	0.116
C. INNER BRAID:	HELICAL WRAP SILVER PLATED COPPER STRIP	0.126
D. OUTER BRAID:	SILVER PLATED COPPER WIRE	0.140
E. JACKET:	SOLID CLEAR POLYURETHANE	0.180

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.08	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	3.60	INCHES	
TEMPERATURE RANGE:	-50 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.033	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

CENTER CONDUCTOR DC RESISTANCE	0.69	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	4.03	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	2740	VRMS		
MAXIMUM CW POWER RATING:	35	WATTS AT	18	GHz
MAXIMUM RETURN LOSS:	-19	dB AT	18	GHz
MAXIMUM INSERTION LOSS:	73.5	dB / 100 FT AT	18	GHz
NOMINAL INSERTION LOSS:	68.1	dB / 100 FT AT	18	GHz

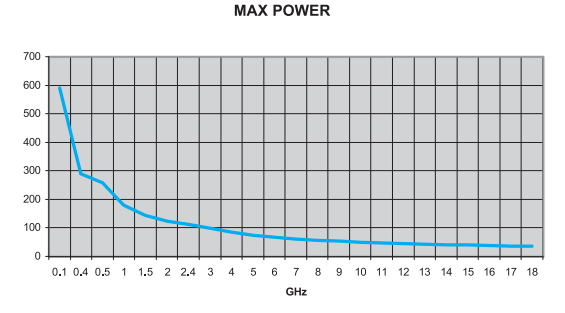
To calculate maximum insertion loss at any frequency use the formula below:

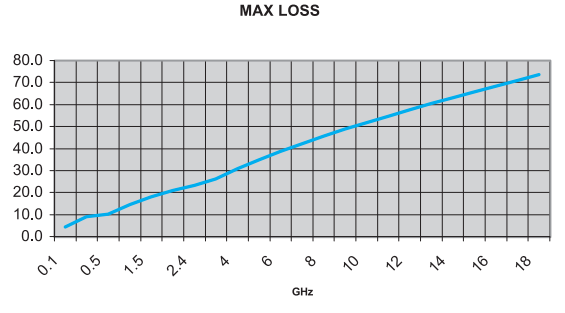
13.662 times square root of freq. + 0.864 times freq. + 0 = dB/100'

RELATIVE SHIELDING: -90 dB DOUBLE SHIELDED

FEATURES: SEMI-RIGID REPLACEMENT CABLE

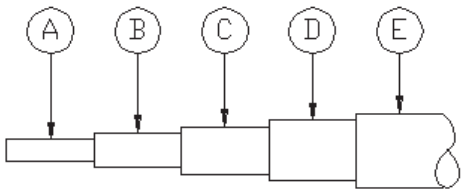
EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

TENSOLITE CABLE DATA SHEET



CABLE CODE:	565	
CATEGORY:	.250 Q-FLEX(R) PLUS	
DESCRIPTION:	RIGID REPLACEMENT	
IMPEDANCE:	50	OHMS
MAX. OD:	0.295	INCHES
MAX. OPERATING FREQ.:	18	GHz.
CUT OFF FREQ.:	19.3	GHz.
CLAMP CABLE GROUP:	N/A	
SOLDER CABLE GROUP:	465, 565, 975	
CRIMP CABLE GROUP:	N/A	
MIL SPEC:	N/A	
FLORIDA PART X REF.:	565	

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	STRANDED SILVER PLATED COPPER WIRE	0.068
B. DIELECTRIC:	SOLID PTFE	0.211
C. INNER BRAID:	HELICAL WRAP SILVER PLATED COPPER STRIP	0.224
D. OUTER BRAID:	SILVER PLATED COPPER WIRE	0.252
E. JACKET:	SOLID CLEAR POLYURETHANE	0.290

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	80	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	1.74	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	5.80	INCHES	
TEMPERATURE RANGE:	-50 / +85	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.095	POUNDS PER FOOT	

ELECTRICAL CHARACTERISTICS:

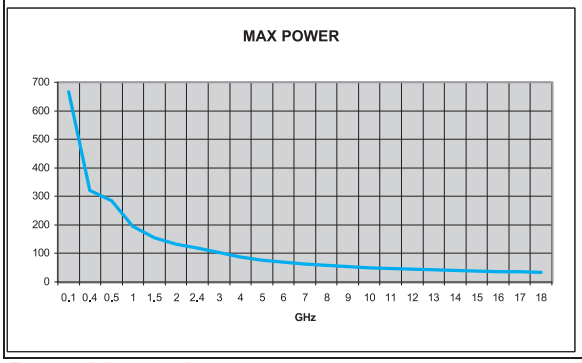
CENTER CONDUCTOR DC RESISTANCE	0.21	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	2.54	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	4975	VRMS		
MAXIMUM CW POWER RATING:	34	WATTS AT	18	GHz
MAXIMUM RETURN LOSS:	-19	dB AT	18	GHz
MAXIMUM INSERTION LOSS:	44.4	dB / 100 FT AT	18	GHz
NOMINAL INSERTION LOSS:	41.5	dB / 100 FT AT	18	GHz

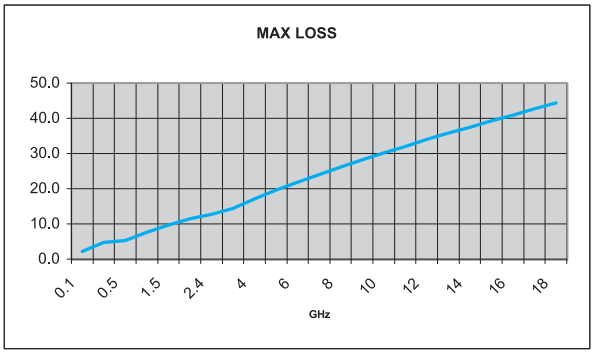
To calculate maximum insertion loss at any frequency use the formula below:

6.85	times square root of freq. +	0.850	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-90	dB	DOUBLE	SHIELDED

FEATURES: SEMI-RIGID REPLACEMENT CABLE

EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

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