Phase Amplitude Stable RF Multilayer Armoured Cable

Features

- SMA male to SMA male
- Length 2ft / 610mm
- Frequency DC – 26.5GHz
- Excellent VSWR , low insertion loss
- Phase and amplitude stability over flexure
- Rugged construction with multilayer armor

Applications

- RF , microwave and millimeter wave test systems
- Use in test lab environment

Electrical Specifications, T_A=25℃

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		26.5	GHz
Insertion Loss		1.1	1.33	dB
VSWR		1.2	1.25	:1
Amplitude Stability *		±0.1		dB
Phase Stability *		±4.0		degrees
Maximum Outer Diameter		0.303”/7.7		inch/mm
Minimum Bend Radius (Dynamic)		3.15”/80		inch/mm
Minimum Bend Radius (Static)		1.97”/50		inch/mm
Mating Cycles		>2000		
Recommended Torque		0.9		Nm
Weight		3.85		ounces
Impedance		50		Ω
Connectors	Connector 1:SMA-male Connector 2:SMA-male			
Connector Body	stainless steel, passivated			
Connector Center Conductor	gold-plated beryllium copper			
Connector Dielectric	PTFE			

* 360°, minimum bend radius (dynamic)

Environmental Specifications

Operational Temperature	-55 to +125°C
Storage Temperature	-55 to +125°C

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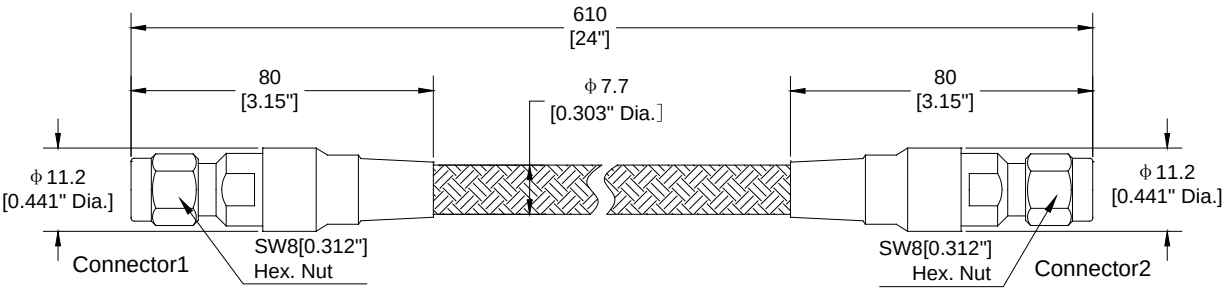
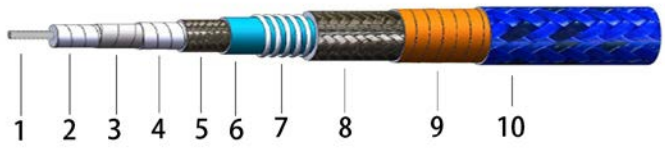
Outline Drawing:

All Dimensions in mm[inches]

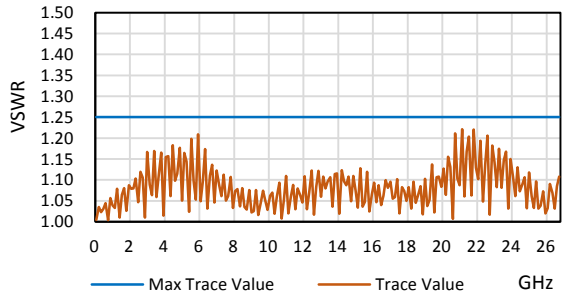


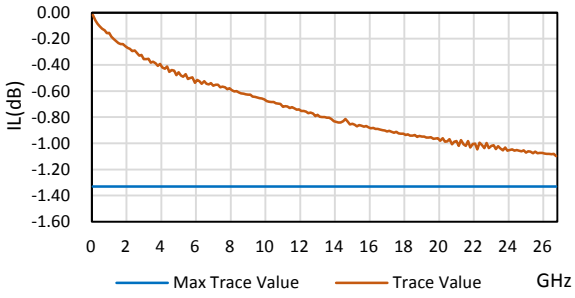
Cable Structure:



1. Center Conductor / Silver Plated Copper
2. Dielectric / Low Density PTFE
3. Inner Shield / Silver Plated Copper Tape
4. Interlayer / PTFE , Wrapped
5. Inner Braid / Silver Plated Copper Wires
6. Inner Jacket / FEP , Blue
7. Spring Member / Stainless Steel Wire
8. Outer Braid / Silver Plated Copper Wires
9. Waterproof Layer / PI+PTFE
10. Outer Jacket / PTFE Wire , Blue And Black

Typical Performance Data :





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Important Notice