



Phase and Amplitude Stable RF Cable



Features

- SMA male to SMA male
- Length 4ft / 1219mm
- Frequency DC – 26.5GHz
- Excellent VSWR, low insertion loss
- Phase and amplitude stability over flexure
- Time delay, phase matching is available

Applications

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

Electrical Specifications, $T_A=25^{\circ}\text{C}$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		26.5	GHz
Insertion Loss		1.85	2.3	dB
VSWR		1.2	1.25	:1
Amplitude Stability *	± 0.1			dB
Phase Stability *	± 8.0			degrees
Maximum Outer Diameter	0.199"/5.05			inch/mm
Minimum Bend Radius (Dynamic)	1.97"/50			inch/mm
Minimum Bend Radius (Static)	0.98"/25			inch/mm
Mating Cycles	>2000			
Recommended Torque	0.9			Nm
Weight	2.94			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)

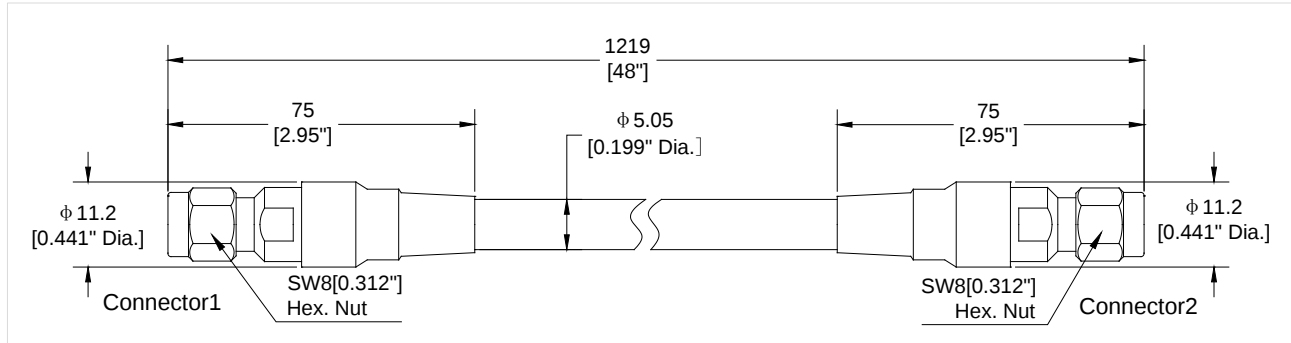
Environmental Specifications

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



Outline Drawing:

All Dimensions in mm[inches]

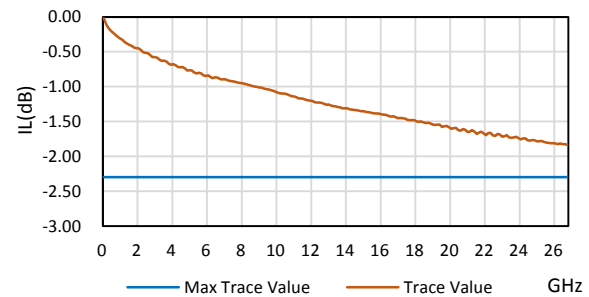
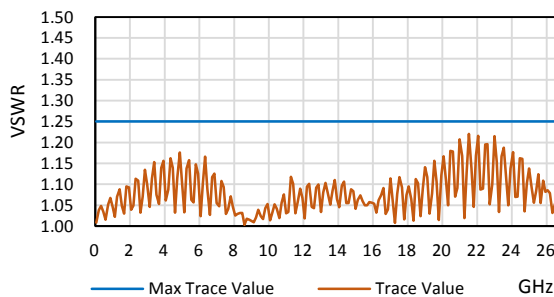


Cable Structure:



1. Center Conductor / Silver Plated Copper
2. Dielectric / Low Density PTFE
3. Inner Shield / Silver Plated Copper Tape
4. Interlayer / PTFE , Wrapped
5. Outer Braid / Silver Plated Copper Wires
6. Outer Jacket / FEP , Blue

Typical Performance Data :



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