



Phase and Amplitude Stable RF Cable



Features

- 2.92mm male to 2.92mm male
- Length 3ft / 914mm
- Frequency DC - 40GHz
- 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		40	GHz
Insertion Loss		2.4	2.79	dB
VSWR		1.2	1.25	:1
Amplitude Stability *	± 0.1			dB
Phase Stability *	± 5.0			degrees
Maximum Outer Diameter	0.165"/4.2			inch/mm
Minimum Bend Radius (Dynamic)	1.65"/42			inch/mm
Minimum Bend Radius (Static)	0.83"/21			inch/mm
Mating Cycles	>2000			
Recommended Torque	0.9			Nm
Weight	1.97			ounces
Impedance	50			Ω
Connectors	Connector 1:2.92mm-male Connector 2:2.92mm-male			
Connector Body	stainless steel, passivated			
Connector Center Conductor	gold-plated beryllium copper			
Connector Dielectric	PEEK			

* 360°, minimum bend radius (dynamic)

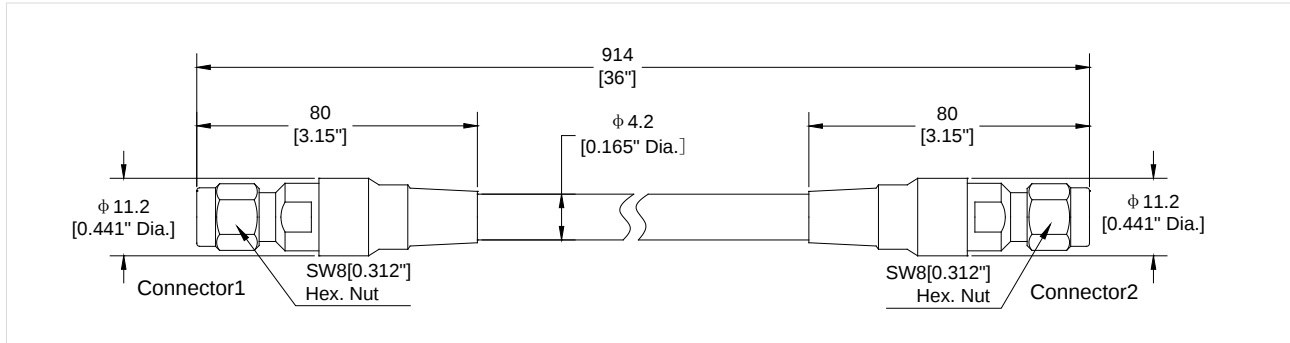
Environmental Specifications

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

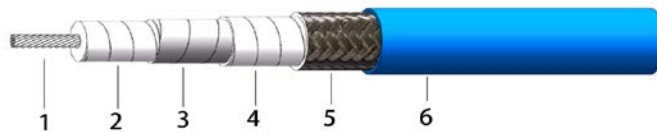


Outline Drawing:

All Dimensions in mm[inches]

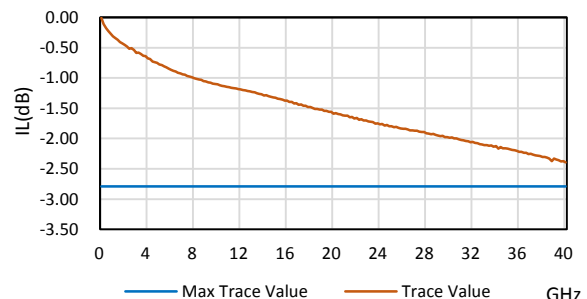
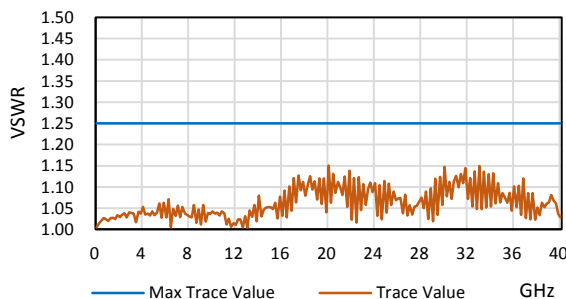


Cable Structure:



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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