



Low Loss Phase Amplitude Stable Flexible Cable



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

Features

- 2.92mm male to 2.92mm male
- Length 2ft / 610mm
- Frequency DC - 40GHz
- Excellent VSWR , ultra low insertion loss
- Phase and amplitude stability over flexure and wide temperature range(-55 to +85°C)
- Time delay, phase matching is available

Applications

- RF , microwave integrating system and sub-assemblies
- Use in test lab environment

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		40	GHz
Insertion Loss		1.55	1.94	dB
VSWR		1.15	1.25	:1
Amplitude Stability *	± 0.1			dB
Phase Stability *	± 5.0			degrees
Temperature Amplitude Stability	<750@-55°C~+85°C			PPM
Maximum Outer Diameter	0.142"/3.6			inch/mm
Minimum Bend Radius (Dynamic)	1.42"/36			inch/mm
Minimum Bend Radius (Static)	0.71"/18			inch/mm
Mating Cycles	>500			
Recommended Torque	0.9			Nm
Weight	1.35			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



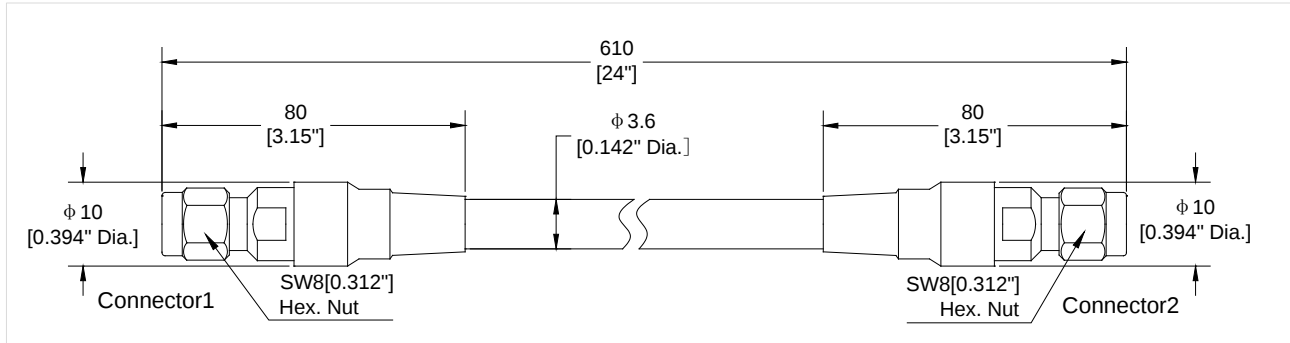
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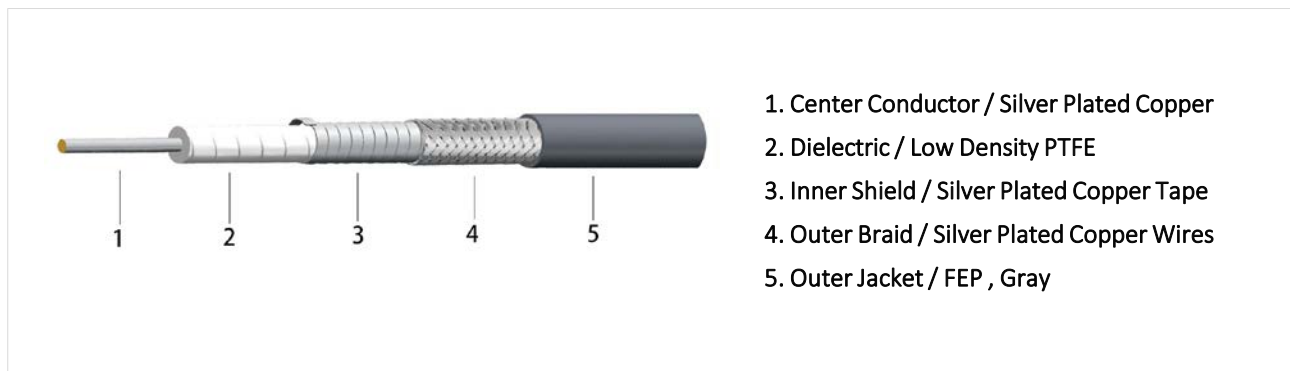
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Outline Drawing:

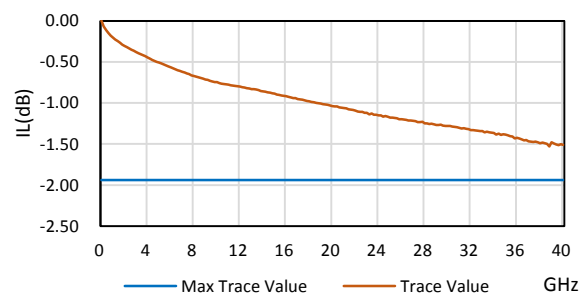
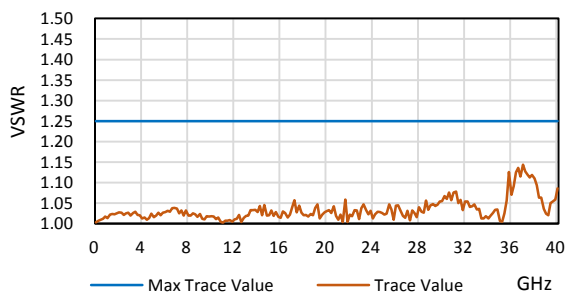
All Dimensions in mm[inches]



Cable Structure:



Typical Performance Data :



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