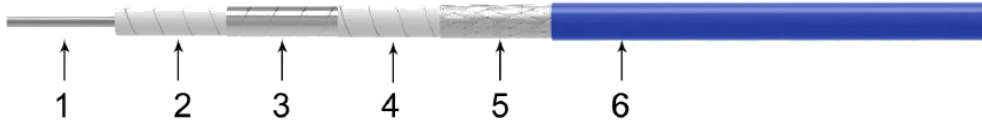


50GHz Phase Stable, Low loss Cable Assembly

Cable Assembly, P5, 2.4mm female to 2.4mm female 1.0Meter

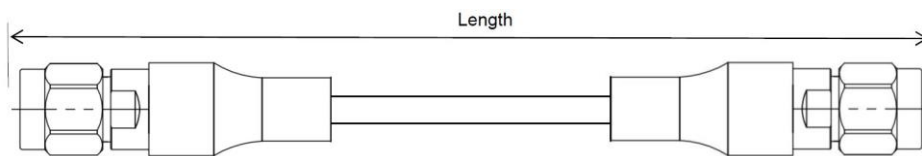
P.N. : B-P524.2400.3

Cable Structure



Structure	Diameter (mm)	Material
1. Center Conductor	0.72 ±0.02	Solid silver plated copper
2. Dielectric	2.15 ±0.05	Ultra-Low density PTFE
3. Outer conductor	2.30 ±0.05	Silver plated copper tape wrap
4. Interlayer	2.60 ±0.05	Low density PTFE
5. Outer shield	3.05 ±0.10	Silver plated copper wire braid
6. Jacket	3.60 ±0.10	FEP

Cable Assembly

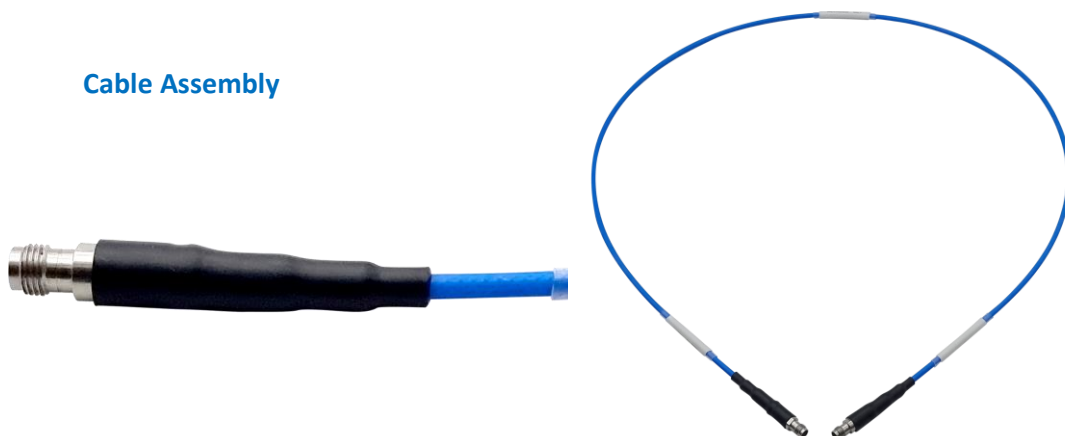


- Length is measured from one connector end to the other connector end as shown above. For RA connectors, use the pin center-line.

Cable Assembly Configuration

Connector (Right)	2.4mm female, straight
Body/Coupling Nut/Contact Material	Passivated s/steel, Gold plated BeCu contacts
Connector (Left)	2.4mm female, straight
Body/Coupling Nut/Contact Material	Passivated s/steel, Gold plated BeCu contacts
Cable Type	P5-360

Cable Assembly



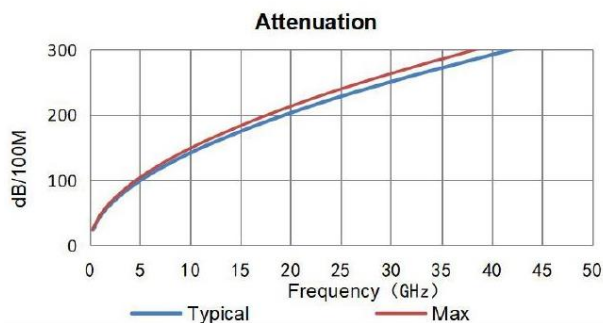
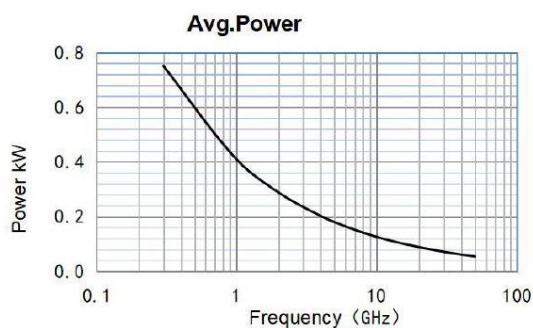
50GHz Phase Stable, Low loss Cable Assembly

Cable Assembly, P5, 2.4mm female to 2.4mm female 1.0Meter

P.N. : B-P524.2400.3

Electrical Specification

Frequency Range	DC-50GHz					
Impedance	50 ohm					
VSWR Max	1.35:1 (DC ~ 50GHz)					
V. P	74%					
Withstanding Volt	1000V DC					
Shielding effectiveness	>90dB					
Mechanical Phase Stability	$\pm 6^\circ @ 40\text{GHz}$, $\pm 7^\circ @ 50\text{GHz}$					
Temperature Phase Stability	500PPM(-50°C to +80 °C)					
Mechanical Amplitude Stability	$\pm 0.06\text{dB} @ 40\text{GHz}$, $\pm 0.07\text{dB} @ 50\text{GHz}$					
Max Attenuation vs Frequency dB/M (*With two connectors) @ 25°C	6GHz	12GHz	18GHz	26GHz	40GHz	50GHz
	1.30dB	1.86dB	2.31dB	2.90dB	3.50 dB	3.90dB
Avg Power at sea level @ 40°C	165W	115W	93W	76W	61W	55W



Environmental Specification

Operating Temperature	-65°C to +165 °C
Storage Temperature	-55°C to +165 °C

Mechanical Specification

Min Bending Radius static	18mm
Min Bending Radius repeated	36mm
Weight	34 gram / Meter (Cable itself)

50GHz Phase Stable, Low loss Cable Assembly

Cable Assembly, P5, 2.4mm female to 2.4mm female 1.0Meter

P.N. : B-P524.2400.3

