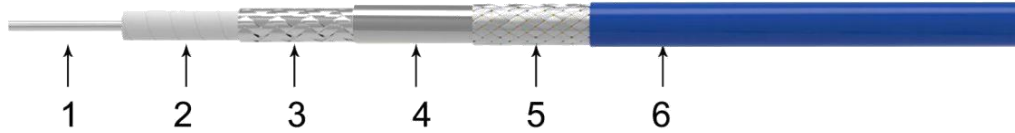


# 18GHz Triple-shielding, Low loss Cable Assembly

Cable Assembly, P252, SMA male to SMA male 1.0Meter

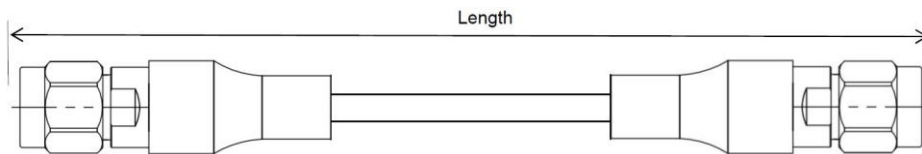
P.N. : B-45SM.SM02.5

## Cable Structure



Structure	Diameter (mm)	Material
1. Center Conductor	1.29 ±0.02	Solid silver plated copper
2. Dielectric	3.90 ±0.05	Ultra-Low density PTFE
3. Outer conductor	4.15 ±0.05	Silver plated flat copper ribbon braid
4. Interlayer	4.28 ±0.05	Aluminum foil wrap
5. Outer shield	4.73 ±0.10	Silver plated copper wire braid
6. Jacket	5.20 ±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)	SMA male, straight
Body/Coupling Nut/Contact Material	Passivated s/steel, Gold plated BeCu contacts
Connector (Left)	SMA male, straight
Body/Coupling Nut/Contact Material	Passivated s/steel, Gold plated BeCu contacts
Cable Type	P252

## Cable Assembly



# 18GHz Triple-shielding, Low loss Cable Assembly

Cable Assembly, P252, SMA male to SMA male 1.0Meter

P.N. : B-45SM.SM02.5

## Electrical Specification

Frequency Range	DC-18GHz					
Impedance	50 ohm					
VSWR Max	1.30:1					
V. P	76%					
Withstanding Volt	1500V DC					
Shielding effectiveness	>100dB					
Mechanical Phase Stability	< $\pm 6^\circ$					
Amplitude Stability vs Shaking	< $\pm 0.2$ dB					
Max Attenuation vs Frequency dB/M (*Without two connectors) @ 25°C	1GHz	6GHz	8GHz	10GHz	12.4GHz	18GHz
	0.28dB	0.70dB	0.81dB	0.92dB	1.10dB	1.26dB
Avg Power at sea level @ 40°C, KW	0.75	0.29	0.25	0.22	0.20	0.16

## Environmental Specification

Operating Temperature	-50°C to +150 °C
Storage Temperature	-60°C to +160 °C

## Mechanical Specification

Min Bending Radius static	25mm
Min Bending Radius repeated	52mm
Weight	60 gram / Meter ( Cable itself)