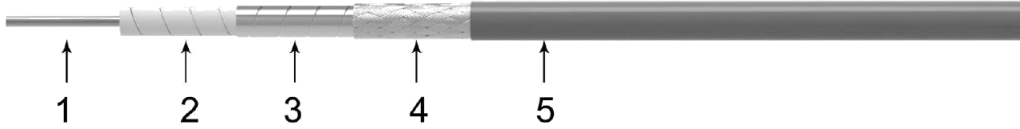


18GHz, Low loss Cable Assembly

Cable Assembly, P278, N male to N male 1.0Meter

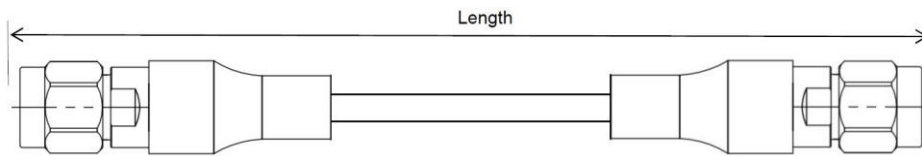
P.N. : B-45NM.NM00.2

Cable Structure



Structure	Diameter (mm)	Material
1. Center Conductor	2.30	Solid silver plated copper
2. Dielectric	6.30	Ultra-Low density PTFE
3. Outer conductor	6.50	Silver plated copper tape wrap
4. Outer shield	7.10	Silver plated copper wire braid
5. Jacket	7.85	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)	N male, straight
Body/Coupling Nut/Contact Material	Passivated s/steel, Gold plated BeCu contacts
Connector (Left)	N male, straight
Body/Coupling Nut/Contact Material	Passivated s/steel, Gold plated BeCu contacts
Cable Type	P278

Cable Assembly



18GHz, Low loss Cable Assembly

Cable Assembly, P278, N male to N male 1.0Meter

P.N. : B-45NM.NM00.2

Electrical Specification

Frequency Range	DC-18GHz						
Impedance	50 ohm						
VSWR Max	1.25:1 (DC ~ 18GHz)						
V. P	83%						
Withstanding Volt	2000V DC						
Shielding effectiveness	>90dB						
Mechanical Phase Stability	±5°@18GHz						
Temperature Phase Stability	500PPM(-40°C to +85 °C)						
Mechanical Amplitude Stability	±0.1dB@18GHz						
Max Attenuation vs Frequency dB/M @ 25°C (Cable loss only)	3GHz	6GHz	8GHz	10GHz	12GHz	14GHz	18GHz
	0.038	0.37	0.43	0.49	0.54	0.59	0.67
Avg Power KW at sea level @ 40°C	1.029	0.72	0.62	0.55	0.49	0.46	0.40

Environmental Specification

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

Mechanical Specification

Min Bending Radius static	40mm
Min Bending Radius repeated	80mm
Weight	130 gram / Meter (Cable itself)

18GHz, Low loss Cable Assembly

Cable Assembly, P278, N male to N male 1.0Meter

P.N. : B-45NM.NM00.2

Test data

