

**Construction and Parameter**

	Raw Material	Diameter (mm)
Center Conductor	Silver plated copper	0.91
Dielectric	Low Density PTFE	2.69
1st Outer Conductor	Silver-plated copper tape	2.86
2nd Outer Conductor	Silver-plated copper braid	3.28
Jacket	FEP	3.73±0.13

Electrical Properties

Capacitance(pF/m)	86
Impedance(ohm)	50
Velocity of propagation(%)	77
Operating frequency(GHz)	40
Shielding effectiveness(dB @ 1GHz)	>100

Mechanical and Environmental Properties

Min. bending radius(mm)	6.35	
Operating temperature range (°C)	-65°C~+165°C	
Phase Stability vs Flexure	10GHz	3°
	18GHz	5°
Phase change vs Temperature	≤2200ppm(-55°C~+85°C)	

Typical Attenuation(@20°C at Sea Level) dB/m and Power Handling W

Frequency (GHz)	Attenuation (dB/m)	Power Handling(W)
1.0	0.39	380
10.0	1.31	120
18.0	1.81	90
26.5	2.23	75
40.0	2.85	65

Draft	Checker	Approved	Date	Rev.	ECN	Name	Date
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