

**Construction and Parameter**

	Raw Material	Diameter (mm)
Center Conductor	Silver plated copper	2.30
Dielectric	Low Density PTFE	6.30
1st Outer Conductor	Silver-plated copper tape	6.56
2nd Outer Conductor	Silver-plated copper braid	7.29
Jacket	FEP	7.90±0.13

Electrical Properties

Capacitance(pF/m)	80.4
Impedance(ohm)	50
Velocity of propagation(%)	83
Operating frequency(GHz)	18
Shielding effectiveness(dB @ 1GHz)	>100

Mechanical and Environmental Properties

Min. bending radius(mm)	31.75	
Operating temperature range(°C)	-65°C~+165°C	
Phase Stability vs Flexure	10GHz	3°
	18GHz	5°
Phase change vs Temperature	≤800ppm(-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	0.16	1700
5.0	0.34	780
10.0	0.49	---
18.0	0.69	380

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