

**Construction and Parameter**

	Raw Material	Diameter (mm)
Center Conductor	Silver plated copper	1.02
Dielectric	Low Density PTFE	2.74
1st Outer Conductor	Silver-plated copper tape	2.96
2nd Outer Conductor	Silver-plated copper braid	3.30
Jacket	FEP	3.61 ± 0.13

**Electrical Properties**

Capacitance(pF/m)	80.38
Impedance(ohm)	50
Velocity of propagation(%)	83
Operating frequency(GHz)	40
Shielding effectiveness(dB @ 1GHz)	>90

**Mechanical and Environmental Properties**

Min. bending radius(mm)	9.65	
Operating temperature range (°C)	-65°C~+165°C	
Phase Stability vs Flexure	10GHz	2°
	18GHz	3°
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	0.33	500
10.0	1.08	165
18.0	1.44	120
26.5	1.77	---
40.0	2.33	---

Draft	Checker	Approved	Date	Rev.	ECN	Name	Date
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