

**Construction and Parameter**

	Raw Material	Diameter (mm)
Center Conductor	Silver plated copper	1.45
Dielectric	Low Density PTFE	3.99
1st Outer Conductor	Silver-plated copper tape	4.19
2nd Outer Conductor	Silver-plated copper braid	4.42
Jacket	FEP	5.21 ± 0.13

**Electrical Properties**

Capacitance(pF/m)	80.4
Impedance(ohm)	50
Velocity of propagation(%)	83
Operating frequency(GHz)	26.5
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	1°
	18GHz	2°
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	0.26	800
5.0	0.52	350
10.0	0.76	---
18.0	1.05	100
26.5	1.28	---

Draft	Checker	Approved	Date	Rev.	ECN	Name	Date
Lai	Ni Wenjun	Grison	22.10.2010	a	-----	Lai	22.10.2010