



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	2.30	0.0906
2. Dielectric	LD PTFE	6.20	0.2441
3. Outer Conductor	Silver Plated Copper Tape	6.35	0.2500
4. Middle Jacket	High temperature aluminum thin	6.48	0.2551
5. Outer shields	Silver Plated Copper Braid	7.05	0.2776
6. Jacket	Gray FEP	7.80	0.3071

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	83%
Working frequency	18 GHz
Voltage Withstand (V.DC)	3500
Shielding Effectiveness (dB)	90

Mechanical Characteristics

Min.Bending Radius Static (mm)	40	1.5748
Min.Bending Radius Repeated(mm)	80	3.1496
Weight (g/m)	130	

Environmental Characteristics

Operating Temperature Range(°C)	-55~+165
Storage Temperature Range(°C)	-65~+165

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
300	8.00	2.44	3.314
1000	14.80	4.51	1.797
2000	21.10	6.44	1.259
3000	26.00	7.93	1.021
6000	37.30	11.38	0.711
8000	43.40	13.24	0.61
10000	48.90	14.91	0.542
12000	53.90	16.44	0.492
14000	58.60	17.87	0.453
15000	60.80	18.54	0.436
16000	63.00	19.22	0.421
18000	67.10	20.47	0.395