


Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper Clad Steel	0.29	0.0114
2. Dielectric	PTFE	0.94	0.0370
3. Outer Conductor	Tin Plated Copper Tube	1.19	0.0469

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	70%
Capacitance)	95.1pF/m 29.1pF/Ft
Operating frequency	20 GHz
Time Delay	4.7 nS/m 1.43 ns/Ft
Max. Operating Voltage	1.5 kVrms
Min. Screening effectiveness up to 18 GHz	100 dB

Mechanical Characteristics

Min.Bending Radius Static (mm)	4.2 0.1654
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Environmental Characteristics

Operating Temperature Range(°C)	-55~+125
Outer Conductor Integrity Temp.(°C)	175

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(GHz)	Attenuation		Power(W CW)
	dB/100m	dB/100Ft	
0.5	79.0	24.10	67.4
1.0	113.0	34.47	47.4
5.0	259.0	79.00	20.7
10.0	374.0	114.07	14.4
20.0	544.0	165.92	9.9