


Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper-silver Alloy	0.153	0.006
2. Dielectric	PTFE	0.500	0.020
3. Outer Conductor	Copper Tube	0.61±0.03	0.024±0.00118

Electrical Characteristics

Capacitance	95.2 PF/m	29.0 PF/Ft
Impedance	50±2 ohm	
Velocity of Propagation	70%	
Voltage Withstanding	750 VRMS @ 60Hz	
Voltage Withstanding	335 VRMS Max.	
Shielding Effectiveness(DC~1GHz)	> 110 dB	
Working frequency	90 GHz	

Mechanical Characteristics

Min.Inside Bending Radius (mm)	1.27	0.050
Weight(g/m)	1.5	

Environmental Characteristics

Operating Temperature Range(°C)	-55~+165
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Attenuation & Average Power @ 20°C and Seal Level

Frequency(GHz)	Attenuation		Power(Watts CW)
	dB/m	dB/Ft	
0.5	1.69	0.516	17.2
1.0	2.4	0.733	12.1
5.0	5.45	1.661	5.4
10.0	7.79	2.374	3.8
18.0	10.57	3.223	2.8
26.5	12.96	3.949	2.3
40.0	16.12	4.194	1.8
50.0	18.17	5.538	1.6
65.0	20.94	6.381	1.4
90.0	25	7.621	1.2