



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper Wire Clad Steel	0.127	0.005
2. Dielectric	PTFE	0.432	0.017
3. Outer Conductor	Copper Tube	0.584±0.03	0.023±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	> 165 dB	
Working frequency	90 GHz	

Mechanical Characteristics

Min.Inside Bending Radius (mm)	1.27	0.050
Weight(g/m)	15	

Environmental Characteristics

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

Frequency(GHz)	Attenuation		Power(Watts CW)
	dB/m	dB/Ft	
0.5	1.7	0.52	17.2
1.0	2.4	0.73	12.1
5.0	5.4	1.66	5.4
10.0	7.8	2.37	3.8
18.0	10.6	3.22	2.8
26.5	12.9	3.95	2.3
40.0	16.1	4.91	1.8
50.0	18.2	5.54	1.6
65.0	20.9	6.38	1.4
90.0	25	7.62	1.2