



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper Wire Clad Steel	0.510	0.020
2. Dielectric	PTFE	1.680	0.066
3. Outer Conductor	Copper Tube	2.197	0.086

Electrical Characteristics

Capacitance	95.2 PF/m	29.0 PF/Ft
Impedance	50±2 ohm	
Velocity of Propagation	70%	
Cutoff Frequency	61GHz	
Time Delay	4.7 ns/m	1.433 ns/Ft
Max. Operating Voltage	1500 KVrms	
Min. Screening Effectiveness up to 18GH:	100 dB	

Mechanical Characteristics

Min.Inside Bending Radius	7.63 mm	0.300 inch
Weight	2.13 Kg/100m	1.42 lbs/100ft

Environmental Characteristics

Operating Temperature Range(°C)	-55~+125
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Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(MHz)	Attenuation		Power(Watts CW @ 20°C, Max.)
	dB/m	dB/Ft	
0.5	0.45	0.136	232
1.0	0.64	0.195	162.5
5.0	1.51	0.46	69.8
10.0	2.22	0.674	47.9
18.0	3.1	0.973	34.6
26.5	3.9	1.183	27.7
40.0	5	1.515	21.8
50.0	5.7	1.738	19.1