


Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.51	0.020
2. Dielectric	PTFE	1.63	0.064
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape + Silver Plated Copper	2.16	0.085
4. Jacket	FEP	2.64	0.104

Electrical Characteristics

Impedance	50 Ω	
Velocity of Propagation	70%	
Capacitance	96.1pF/m	29.3pF/Ft
Cutoff frequency	61.87 GHz	

Mechanical Characteristics

Min. Bending Radius Static (mm)	6.4	0.252
Weight(Kg/Km)	22	

Environmental Characteristics

Operating Temperature Range($^{\circ}$ C)	-55~+125	
Operating relative humidity(%)	85 HR Max.	

Attenuation & Average Power @ 20 $^{\circ}$ C and Sea Level

Frequency(GHz)	Attenuation		Power(Watts CW)
	dB/100m	dB/100Ft	
0.05	14.75	4.5	560
0.1	20.98	6.4	390
0.5	48.20	14.7	173
1.0	69.18	21.1	121
2.0	100.00	30.5	85
4.0	146.23	44.6	59
6.0	183.61	56.0	47
10.0	245.90	75.0	36
12.0	273.44	83.4	33
16.0	324.26	98.9	28
18.0	347.87	106.1	26
26.5	440.66	134.4	21
40.0	570.49	174	17