


**Construction Specification**

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.91	0.0358
2. Dielectric	PTFE	3.00	0.1181
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape + Silver Plated Copper	3.58	0.1409
4. Jacket	FEP	4.06	0.1598

**Electrical Characteristics**

Impedance	50 ohm
Velocity of Propagation	70%
Capacitance)	96.1pF/m      29.3pF/Ft
Cutoff frequency	40 GHz

**Mechanical Characteristics**

Min.Bending Radius Static (mm)	6.4	0.2520
Weight(g/m)	49	

**Environmental Characteristics**

Operating Temperature Range(°C)	-65~+125
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**Attenuation & Average Power @ 20°C and Seal Level**

Frequency(GHz)	Attenuation		Power(W CW)
	dB/100m	dB/100Ft	
0.05	7.87	2.40	1386
0.1	11.15	3.40	980
0.5	26.23	8.00	418
1.0	38.03	11.60	290
2.0	56.07	17.10	198
4.0	84.26	25.70	132
6.0	107.54	32.80	105
10.0	147.54	45.00	78
12.0	165.90	50.60	69
16.0	199.67	60.90	58
18.0	216.07	65.90	54
26.5	280.33	85.50	41
35.0	362.00	110.41	26
40.0	409.00	124.75	21