



**Construction Specification**

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.51	0.0201
2. Dielectric	LD PTFE	1.43	0.0563
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape +Silver Plated Copper Braid	1.85	0.0728
4. Jacket	Black ETFE	2.2	0.0866

**Electrical Characteristics**

Impedance	50 ohm
Velocity of Propagation	81%
Operation Frequency (GHz)	67 GHz
Voltage Withstand (V.DC)	500 V
*Phase Stability@ 40GHz	±10°
*Amplitude Stability@ 40GHz	±0.15dB
Phase Temperature	800PPM
Shielding Effectiveness	90 dB

\*\*When cable is wrapped 360° around a 22mm (0.866in) radius mandrel

**Mechanical Characteristics**

Min.Bending Radius (mm)	11
Cable Minimum Dynamic Bend Radius(mr)	22
Weight	13 g/m

**Environmental Characteristics**

Operating Temp(°C)	-55~+125
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**Attenuation & Average Power @ 20°C and Sea Level**

Frequency(GHz)	Attenuation		Avg.Power (W)
	dB/1m	dB/1Ft	
0.3	0.342	0.10	500
1.0	0.631	0.19	271
1.5	0.777	0.24	220
2.0	0.901	0.27	190
3.0	1.112	0.34	154
4.0	1.291	0.39	132
6.0	1.597	0.49	107
8.0	1.86	0.57	92
10.0	2.095	0.64	82
12.0	2.310	0.70	74
14.0	2.510	0.76	68
18.0	2.877	0.88	59
20.0	3.048	0.93	56
26.5	3.559	1.08	48
40.0	4.480	1.36	38
50.0	5.085	1.55	34
67.0	6.019	1.83	28