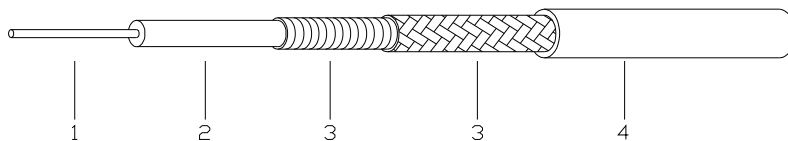


PLEX090



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	Gray FEP	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	$\pm 10^\circ$
* Amplitude Stability@ 40GHz	$\pm 0.15\text{dB}$
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(mm)	22
Weight	13 g/m

Environmental Characteristics

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

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