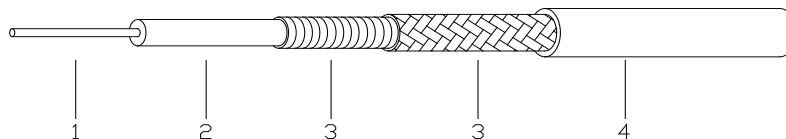


PLEX090-lite



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper Clad Aluminum	0.51	0.0201
2. Dielectric	LD PTFE	1.40	0.0551
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape +Silver Plated Copper Clad Aluminum	1.90	0.0748
4. Jacket	eTFE	2.30	0.0906

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	80%
Operation Frequency (GHz)	67 GHz
Voltage Withstand (V.DC)	500 V
Shielding Effectiveness	100 dB

Mechanical Characteristics

Min.Bending Radius (mm)	11
Cable Minimum Dynamic Bend Radius(mm)	22
Weight	11.04 g/m

Environmental Characteristics

Operating Temp(°C)	-65~+165
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Attenuation & Average Power @ 20°C and Seal 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
2.0	0.901	0.27	190
4.0	1.291	0.39	132
6.0	1.58	0.48	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	2.840	0.86	59
20.0	3.048	0.93	56
26.5	3.559	1.08	48
40.0	4.390	1.34	38