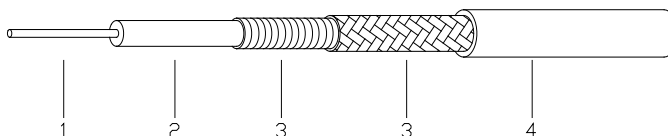


PLEX140-lite



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper Clad Aluminum	0.91	0.036
2. Dielectric	LD PTFE	2.50	0.098
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape +Silver Plated Copper Clad Aluminum	3.10	0.12
4. Jacket	eTFE	3.60	0.142

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	82%
Operation frequency	40GHz
Voltage Withstand (V.DC)	900 V
Shielding Effectiveness	100 dB

Mechanical Characteristics

Min.Bending Radius (mm)	18
Weight	21.2 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	0.204	0.06	940
1.0	0.375	0.11	511
2	0.534	0.16	359
4	0.761	0.23	252
6	0.86	0.26	204
8	1.089	0.33	176
10	1.223	0.37	157
12	1.346	0.41	142
14	1.46	0.44	131
18	1.58	0.48	115
20	1.762	0.54	109
26.5	2.048	0.62	94
40	2.640	0.80	75