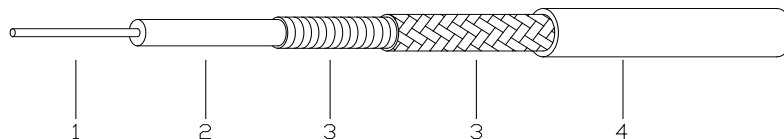


PLEX190-lite



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper Clad Aluminum	1.40	0.0551
2. Dielectric	LD PTFE	3.85	0.1516
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape +Silver Plated Copper Clad Aluminum	4.40	0.1732
4. Jacket	eTFE	4.85	0.1909

Electrical Characteristics

Impedance	50 ohm
Capacitance	80.4 pF/m
Velocity of Propagation	83%
Operation Frequency (GHz)	26.5 GHz
Shielding Effectiveness	100 dB

Mechanical Characteristics

Min.Bending Radius (mm)	24
Weight	36 g/m

Environmental Characteristics

Operating Temp(°C)	-55~+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	0.131	0.04	1608
1.0	0.240	0.07	876
2.0	0.341	0.10	616
4.0	0.486	0.15	432
6.0	0.630	0.19	351
8.0	0.695	0.21	303
10.0	0.780	0.24	270
12.0	0.858	0.26	245
14.0	0.929	0.28	226
16.0	0.997	0.30	211
18.0	1.080	0.33	198
26.5	1.300	0.40	162