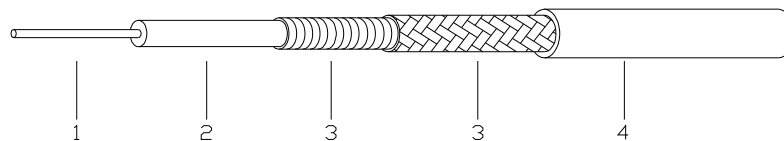


PLEX190



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	1.40	0.0551
2. Dielectric	LD PTFE	3.73	0.1469
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape +Silver Plated Copper Braid	4.40	0.1732
4. Jacket	Gray FEP	4.80	0.1890

Electrical Characteristics

Impedance	50 ohm
Capacitance	83 pF/m
Velocity of Propagation	83%
Operation Frequency (GHz)	32GHz
Dielectric withstanding voltage	1300 VRMS
Shielding Effectiveness	90 dB

Mechanical Characteristics

Min.Bending Radius (mm)	25
Cable Minimum Dynamic Bend Radius(mm)	48
Weight	55 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	0.131	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	0.599	0.18	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	1.060	0.32	198
20.0	1.123	0.34	186
26.5	1.300	0.40	162
32.0	1.444	0.44	145