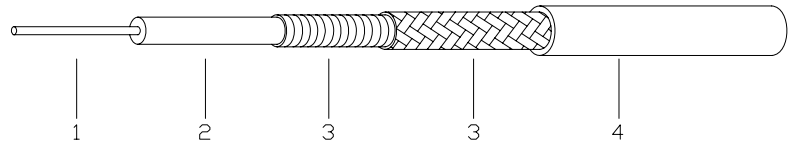


## Plex-310



### Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	2.30	0.091
2. Dielectric	LD PTFE	6.20	0.244
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape+Silver Plated Copper Braid	6.93	0.273
4. Jacket	Gray FEP	7.80	0.307

### Electrical Characteristics

Impedance	50 Ohms	
Capacitance	80 pF/m	24.5 pF/Ft
Inductance	0.31 uH/m	0.095 uH/Ft
Time Delay	4.02 nS/m	1.22 nS/Ft
Velocity of Propagation	83%	
Shielding Effectiveness	>90 dB	
Cut-off Frequency	19 GHz	
Dielectric withstanding voltage	2000 VRMS	
Peak Power Rating	10 KW	

### Mechanical Characteristics

Cable Minimum Static Bend Radius(mm)	35	1.378
Cable Minimum Dynamic Bend Radius(mm)	80	3.15
Weight	130 g/m	0.087 lbs/ft

### Environmental Characteristics

Operating Temp(°C)	-55 to +165
--------------------	-------------

### Attenuation & Average Power @ 25°C and Seal Level

Frequency(GHz)	Attenuation		Power(Watts CW)
	dB/100 m	dB/100 Ft	
0.5	10.37	3.16	2579
1.0	14.76	4.50	1812
3.0	25.98	7.92	1029
5.0	33.91	10.34	788
10.0	48.92	14.91	547
12.4	54.89	16.73	487
18.0	67.13	20.47	398