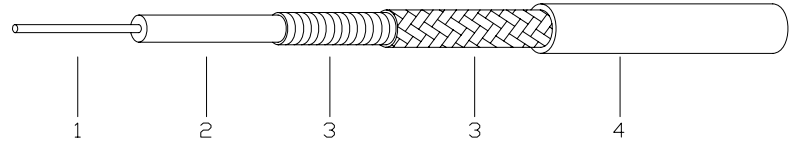


## Plex-140



### Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.91	0.036
2. Dielectric	LD PTFE	2.50	0.098
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape+Silver Plated Copper Braid	3.06	0.120
4. Jacket	Gray FEP	3.60	0.142

### 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	46 GHz	
Dielectric withstanding voltage	1000 VRMS	
Peak Power Rating	2.5 KW	

### Mechanical Characteristics

Cable Minimum Static Bend Radius	18 mm	.709 inch
Cable Minimum Dynamic Bend Radius	36 mm	1.42 inch
Weight	33 g/m	0.022 lbs/ft

### Environmental Characteristics

Operating Temp(°C)	-55 to +165
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### Attenuation & Average Power @ 25°C and Seal Level

Frequency(GHz)	Attenuation		Power(Watts CW)
	dB/100 m	dB/100 Ft	
0.5	26.4	8.05	726
1.0	37.50	11.43	511
3.0	65.65	20.02	292
5.0	85.37	26.03	225
10.0	122.35	37.30	157
12.4	136.94	41.75	140
18.0	166.67	50.81	115
26.5	204.79	62.44	94
40.0	255.69	77.96	75