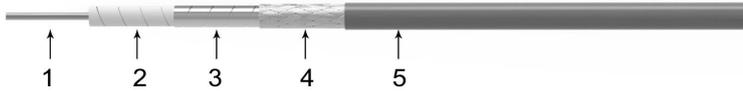


### Features & Benefits

- Excellent phase and amplitude stability with flexure
- Ultra low loss 0.26dB/meter to 6 GHz
- Up to 10GHz
- Temperature phase stability < 500ppm(-40°C to +80°C)
- High power handling capability

### Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	3.80	Solid silver-plated copper
2	Dielectric	10.40	Ultra-low density PTFE
3	Outer Conductor	10.78	Silver-plated copper tape wrap
4	Outer Shield	11.35	Silver-plated copper wire braid
5	Jacket	12.00	FEP



### Electrical

Frequency	DC-10 GHz
Impedance	50 Ω
Velocity of Propagation	83%
Shielding Effectiveness	>90 dB
Withstanding Voltage	2000 V
*Mechanical Phase Stability	<±4°
Amplitude Stability vs Shaking	<±0.1dB
Temp Phase Stability	<500ppm(-40°C to +85°C)

\* Wrapped 360° around a 120mm radius mandrel.

### Mechanical & Environmental

Min. Bending Radius Static	60mm
Min. Bending Radius Repeated	120mm
Weight	280g/m
Temperature(Operation)	-55~150 °C
Temperature(Storage)	-60~160 °C

### Attenuation(Typical@25°C&VSWR=1.0) & Power(VSWR=1.0; 40°C; Sea level)

Frequency MHz	100	300	400	500	1000	1250	2000	3000	6000	8000	10000
dB/100 Meter	3.0	5.3	6.2	6.9	9.9	11.2	14.4	17.9	26.2	30.8	35.0
Avg. Power kW	9.978	5.691	4.907	4.372	3.045	2.707	2.108	1.694	1.157	0.984	0.867
Attenuation at any frequency = [0.298515 × SQRT(FMHz)] + [0.00051 × FMHz]											

### Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
LP1200	N	Male	Straight	Standard	6	1.3
LP1200	DIN 7/16	Male	Straight	Standard	6	1.3