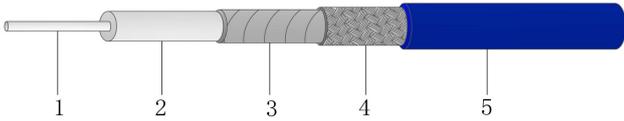


Features & Benefits

- Superior temperature phase stability 500PPM
- Available in armor options
- Fast delivery with test plot to 110 GHz
- Customized lengths available

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.32	Silver plated copper
2	Dielectric	0.91	Foamed PTFE
3	Outer Conductor	1.05	Silver-plated copper tape wrap
4	Outer Shield	1.17	Silver-plated copper wire braid
5	Jacket	1.42	FEP



Electrical

Frequency	DC-110 GHz
Impedance	50 Ω
Velocity of Propagation	79%
Shielding Effectiveness	>90 dB
Withstanding Voltage	500 V
Temperature phase stability	500PPM(-40~70 °C)
*Mechanical Phase Stability	<±12°
* Wrapped 360°	around a 14mm radius mandrel.

Mechanical & Environmental

Min.Bending Radius Static	8 mm
Min. Bending Radius Repeated	15 mm
Weight	8g/m
Temperature(Operation)	-50~125 °C
Temperature(Storage)	-60~125 °C

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

Frequency MHz	300	1000	2000	3000	6000	12000	16000	18000	26500	40000	67000	110000
dB/Meter	0.6	1.1	1.6	2.0	2.8	4.0	4.6	4.9	6.2	7.8	10.5	14.6
Avg.Power W	61	33	24	19	14	10	8	8	6	5	4	3

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
LP140	1mm	Male/Female	Straight	Standard	110	1.35
LP140	2.92mm	Male/Female	Straight	Standard	40	1.35

Other connectors available upon request.