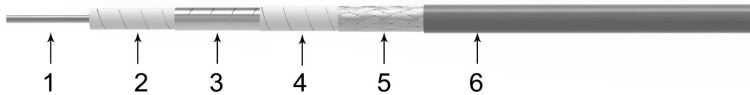


Features & Benefits

- Very low loss, 2.5dB/meter to 40 GHz
- Typical VSWR 1.2 to 40GHz
- Excellent phase stability with flexure 40GHz ≤5°
- Triple shielding, robust design
- Available in armor options
- Bulk cables from stock

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.91	Solid silver-plated copper
2	Dielectric	2.50	Low density PTFE
3	Outer Conductor	2.70	Silver-plated copper tape wrap
4	Interlayer	3.00	Low density PTFE
5	Outer Shield	3.46	Silver-plated copper wire braid
6	Jacket	3.90	FEP



Electrical

Frequency	DC-40 GHz
Impedance	50 Ω
Velocity of Propagation	82%
Shielding Effectiveness	>90 dB
Withstanding Voltage	900 V
*Mechanical Phase Stability	<±5°
Amplitude Stability vs Shaking	<±0.1dB
Temp Phase Stability	<680ppm(-40°C to +85°C)

* Wrapped 360° around a 39mm diameter mandrel.

Mechanical & Environmental

Min. Bending Radius Static	18mm
Min. Bending Radius Repeated	36mm
Weight	35g/m
Temperature(Operation)	-50~150 °C
Temperature(Storage)	-60~160 °C

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

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	18000	26500	40000
dB/100 Meter	20.4	37.5	53.4	76.1	93.8	108.9	122.3	134.6	146.0	166.7	204.8	255.7
Avg. Power kW	0.940	0.511	0.359	0.252	0.204	0.176	0.157	0.142	0.131	0.115	0.094	0.075

Attenuation at any frequency = [1.168470 × SQRT(FMHz)] + [0.000550 × FMHz]

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
PL390P	SMA	M/F	Straight	Standard	26.5	1.3
PL390P	SMA	Male	Right Angle	Standard	18	1.35
PL390P	N	Male	Straight	Standard	18	1.35
PL390P	3.5mm	M/F	Straight	Standard	33	1.3
PL390P	2.92mm	M/F	Straight	Standard	40	1.3

Other connectors available upon request.