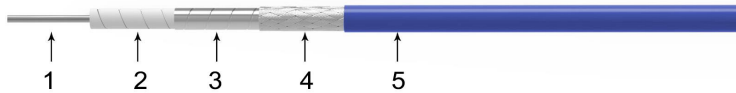


Features & Benefits

- 047 small size, ultra flexible
- Very low VSWR and loss to 40 GHz
- Excellent phase and amplitude stability
- Ideal for use in space restraint environment

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.29	Solid silver-plated copper
2	Dielectric	0.86	Low density PTFE wrapping
3	Outer Conductor	1.02	Silver-plated copper tape wrap
4	Outer Shield	1.23	Silver-plated copper wire braid
5	Jacket	1.50	FEP



Electrical

Frequency	DC-40 GHz
Impedance	50 Ω
Velocity of Propagation	74%
Shielding Effectiveness	>90 dB
Withstanding Voltage	400 V
*Mechanical Phase Stability	<±5°@18GHz, <±8°@40GHz
Amplitude Stability vs Shaking	<±0.1dB@18GHz, <±0.15dB@40GHz

* Wrapped 360° around a 15mm diameter mandrel.

Mechanical & Environmental

Min.Bending Radius Static	7mm
Min. Bending Radius Repeated	15mm
Weight	7.5g/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	500	1000	2000	4000	6000	8000	10000	12000	14000	18000	26500	40000
dB/100 Meter	78.8	111.7	158.4	224.8	276.1	319.6	358.0	392.9	425.1	483.5	589.9	730.0
Avg.Power kW	0.053	0.037	0.026	0.019	0.015	0.013	0.012	0.011	0.010	0.009	0.007	0.006

Attenuation at any frequency=[3.510186×SQRT(FMHz)]+[0.000699×FMHz]

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
PL150	SMA	M/F	Straight	Standard	18	1.25
PL150	SMA	Male	Right Angle	Standard	18	1.35
PL150	SMP	Female	Straight	Standard	40	1.4
PL150	mini SMP	Female	Straight	Standard	40	1.4
PL150	mini SMP	Female	Right Angle	Standard	40	1.45

* All the above connectors are direct solder type. Other connectors available upon request.