

DC-18 GHz Phase Stable Low Loss Cables

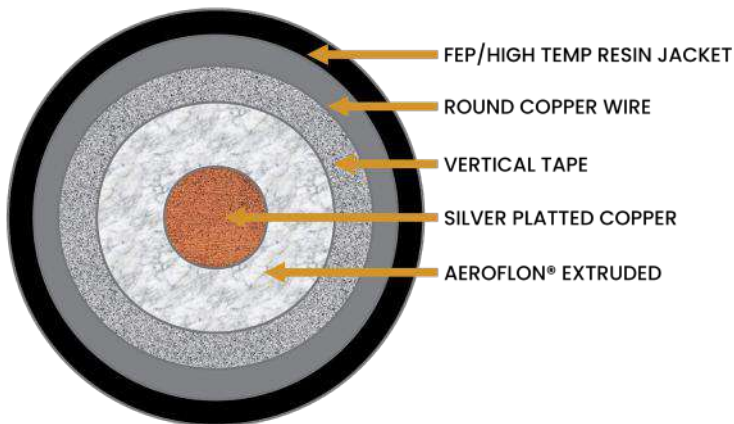
FEATURES

- Good insertion loss and phase stability cable
- Excellent flexibility with 0.165 inch jacket thickness
- Available with SMA & N connectors
- Cable insertion Loss: -0.553 dB per ft @ 18 GHz
- Low loss VSWR(1.30 Max), with flexible resin jacket
- Phase stability max 10° @ 18 GHz, 85dB shielding effectiveness
- Phase stable over temp: -45°C ~ +135°C



ELECTRICAL & MECHANICAL SPECIFICATION

Characteristic Impedance	50 ± 1 Ω
Operating Frequency	DC to 18 GHz
Temperature	-45°C to +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	15mm / 0.59 inch
Weight (g/m)	34.4
Shielding Effectiveness	<-85dB
Phase Stability vs. Flexure	10° max. @ 18 GHz
Loss Stability vs. Flexure	Δ 0.1dB to 18 GHz
Available Connector	Standard: SMA Also available: N-Type



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RAW CABLE INSERTION LOSS

(25°C @ SEA LEVEL)

Frequency	dB / m	dB / ft.
1 GHz	- 0.37	- 0.114
3 GHz	- 0.67	- 0.205
6 GHz	- 0.97	- 0.295
9 GHz	- 1.21	- 0.369
12 GHz	- 1.42	- 0.433
15 GHz	- 1.61	- 0.490
18 GHz	- 1.82	- 0.553

AVERAGE POWER RATING

(CW, 25°C @ SEA LEVEL)

Frequency	Watt
1 GHz	343
3 GHz	198
6 GHz	140
9 GHz	115
12 GHz	100
15 GHz	89
18 GHz	81

ORDERING INFORMATION

Part Number (SMA to SMA)	Length
SMA-LLPSRJ-18-SMA-24	24"
SMA-LLPSRJ-18-SMA-36	36"
SMA-LLPSRJ-18-SMA-60	60"

Contact factory for additional lengths and connector configurations.