

DC-26.5 GHz Phase Stable Low Loss Cables

FEATURES

- The best insertion loss and high phase stability
- Excellent flexibility with 0.263 inch jacket thickness
- Available with SMA/HFSMA/N connectors
- Cable insertion Loss: -0.473 dB per ft @ 26.5 GHz
- Low loss VSWR(1.30 Max), high reliability with Aramid Jacket
- Phase stability max 10° @ 26.5 GHz, 100dB shielding effectiveness
- Phase stable over temp: -45°C ~ +135°C



ELECTRICAL & MECHANICAL SPECIFICATION

Characteristic Impedance	50 ± 1 Ω
Operating Frequency	DC to 26.5 GHz
Temperature	-45°C to +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	30mm / 1.18 inch
Weight (g/m)	81.4
Shielding Effectiveness	<-100dB
Phase Stability vs. Flexure	10° max. @ 26.5 GHz
Loss Stability vs. Flexure	Δ 0.1dB to 26.5 GHz
Available Connector	Standard: SMA Also available: N-Type (18 GHz)

RAW CABLE INSERTION LOSS

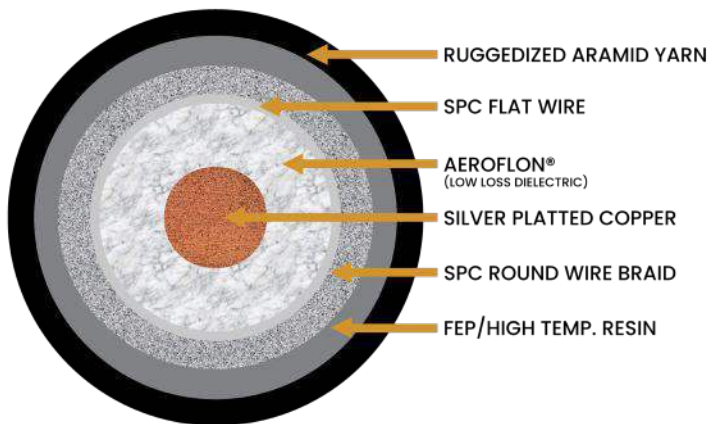
(25°C @ SEA LEVEL)

Frequency	dB / m	dB / ft.
1 GHz	- 0.25	- 0.076
3 GHz	- 0.45	- 0.137
6 GHz	- 0.65	- 0.198
10 GHz	- 0.88	- 0.268
12 GHz	- 0.97	- 0.296
18 GHz	- 0.125	- 0.381
26.5 GHz	- 1.55	- 0.473

AVERAGE POWER RATING

(CW, 25°C @ SEA LEVEL)

Frequency	Watt
1 GHz	665
3 GHz	371
6 GHz	272
10 GHz	211
12 GHz	192
18 GHz	157
26.5 GHz	130



ORDERING INFORMATION

Part Number (SMA to SMA)	Length
SMA-LLPSAJ-26-SMA-24	24"
SMA-LLPSAJ-26-SMA-36	36"
SMA-LLPSAJ-26-SMA-60	60"

Head Office:
2-1795 Ironstone Manor
Pickering, ON
L1W 3W9

US Sales Office:
15020 Beltway Dr.
Addison, TX
75001

Phone: 1 (647) 726 0058

Email: info@dvtest.com

www.dvtest.com