

Flexible RF Cables & Assemblies DC~50GHz

Features:

- * Low Insertion Loss
- * High Phase Stability
- * High Power
- * Low PIM

Construction



Technical & Mechanical Specifications

Frequency	DC~50 GHz
Cut-off Frequency	31GHz
Impedance	50Ω
Velocity of Propagation	83%
Shielding Effectiveness	90dB min.
Voltage Withstand	1500V DC
PIM	-155dBc
Phase Stability	750PPM@-55°C~+85°C max
Bend Radius (installation)	24.0mm
Bend Radius (repeated)	48.0mm
Temperature	-55~+165°C

Material & Plating

Inner Conductor	1.40	Silver-plated copper
Dielectric	3.80	Low density PTFE
Inner Shield	3.95	Silver-plated copper tape
Outer Shield	4.35	Silver-plated copper braid
Jacket	4.80	PFA

Attenuation & Power Handling

Frequency (GHz)	1	2	4	6	8	10	12.4	18	26.5	40	50
Attenuation* (dB/100m)	146.8	66.6	95	117.1	135.9	152.6	170.8	207.9	255.4	318.9	360.1
Average Power*2(W)	407	286	201	163	140	125	111	92	75	60	53