

Product Specifications



Model: PA50

Amplitude Stable
Phase Stable
Integrated Armor



Construction	Materials	Outer Diameter (mm)
1. Center Conductor	Silvered Copper	0.72
2. Dielectric	Low Density PTFE	2.10
3. Inner Shield	Silvered Copper Tape Wrapping	2.25
4. Middle Layer	Low Density PTFE	2.55
5. Outer Shield	Braided Silvered Copper Wire	3.01
6. Jacket	Blue FEP	3.60
7-10. Armor	Compound Material	6.10

Electrical Specifications

Cable Impedance	50 Ω
Velocity	76%
Shielding Effectiveness	>90 dB
Voltage Withstanding	500 V DC
Operating Frequency	DC-50 GHz
Amplitude Stability vs Flexure	< \pm 0.05 dB
Mechanical Phase Stability	< \pm 5°

Mechanical & Environmental Specifications

Bending Times	100,000 Times
Bend Radius, static	30 mm
Bend Radius, dynamic	60 mm
Temperature Range	-55 ~ +125 °C

Attenuation (Typical Value @ 25°C & Sea Level)

Frequency (MHz)	Power (W)	Attenuation (dB/m)
300	928	0.26
1000	506	0.48
3000	290	0.84
6000	204	1.19
8500	170	1.43
12400	140	1.73
18000	116	2.10
26500	95	2.57
40000	76	3.19
50000	68	3.59