

Product Specifications



Model: PA40

Amplitude Stable

Phase Stable

Integrated Armor



Construction	Materials	Outer Diameter (mm)
1. Center Conductor	Silvered Copper	1.02
2. Dielectric	Low Density PTFE	2.80
3. Inner Shield	Silvered Copper Tape Wrapping	2.95
4. Middle Layer	Low Density PTFE	3.20
5. Outer Shield	Braided Silvered Copper Wire	3.62
6. Jacket	Blue FEP	4.20
7-10. Armor	Compound Material	6.70

Electrical Specifications

Cable Impedance	50 Ω
Velocity	81%
Shielding Effectiveness	>90 dB
Voltage Withstanding	500 V DC
Operating Frequency	DC-40 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	40 mm
Bend Radius, dynamic	70 mm
Temperature Range	-55 ~ +125 °C

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

Frequency (MHz)	Power (W)	Attenuation (dB/m)
300	1040	0.22
1000	567	0.41
3000	325	0.71
6000	228	1.01
8500	190	1.21
12400	157	1.47
18000	129	1.78
26500	105	2.18
40000	85	2.71