

KL-360C — High-Precision Test Cable

High-Precision Test Cable — Flexible, Low-VSWR Construction



Structure & Materials

Element	Dimension (mm)	Material
Center Conductor	0.72	Silver-Plated Copper
Dielectric	2.10	Low-Density PTFE
Inner Shield	2.25	Silver-Plated Copper Tape
Middle Layer	2.55	Low-Density PTFE (Reinforcement)
Outer Shield	3.01	Silver-Plated Copper Braid
Outer Jacket	3.60	Blue FEP (Custom Colors Available)

Electrical Properties

Parameter	Value
Operating Frequency	DC – 50 GHz
Cutoff Frequency	50 GHz
Characteristic Impedance	50 Ω
Velocity of Propagation	76%
Shielding Effectiveness	> 90 dB
Dielectric Withstanding Voltage	1200 V DC

Attenuation & Power Handling (Typical, 25°C / 40°C)

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000	50000
Attenuation (dB/100m)	48.1	68.3	83.9	119.4	138.4	155.2	173.4	210.2	257.1	319.2	359.2
Avg. Power (kW)	0.506	0.356	0.290	0.204	0.176	0.157	0.140	0.116	0.095	0.076	0.068

Mechanical & Environmental

Static Bend Radius	Dynamic Bend Radius	Weight	Operating Temperature
18 mm	36 mm	0.031 kg/m	–55°C ~ +165°C

Features & Benefits

- Low insertion loss
- Low VSWR
- Flex and vibration resistant

Typical Applications

- Airborne electronics
- Electronic warfare (EW)
- Laboratory test
- RF / microwave device test