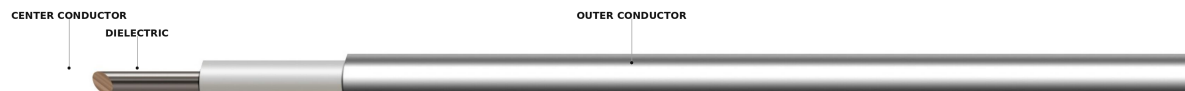


KL-047E — Semi-Rigid Coaxial Cable

Economy Semi-Rigid Coaxial Cable



Structure & Materials

Element	Dimension (mm)	Material
Center Conductor	0.29	Silver-Plated Copper
Dielectric	0.95	PTFE
Outer Conductor	1.22	Seamless Copper Tube, Ternary-Alloy Plated

Electrical Properties

Parameter	Value
Operating Frequency	DC – 40 GHz
Cutoff Frequency	110 GHz
Characteristic Impedance	50 Ω
Velocity of Propagation	70%
Shielding Effectiveness	> 165 dB
Dielectric Withstanding Voltage	100 V DC

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	113.6	162.4	200.5	288.6	336.4	379.2	425.9	522.0	646.9	816.3
Avg. Power (kW)	0.147	0.103	0.083	0.058	0.050	0.044	0.039	0.032	0.026	0.020

Mechanical & Environmental

Static Bend Radius	Weight	Operating Temperature
4.2 mm	0.004 kg/m	–55°C ~ +125°C

Features & Benefits

- Low VSWR
- Low PIM

Typical Applications

- RF module internal connection
- Precision instrument internal connection
- Tight-space connection