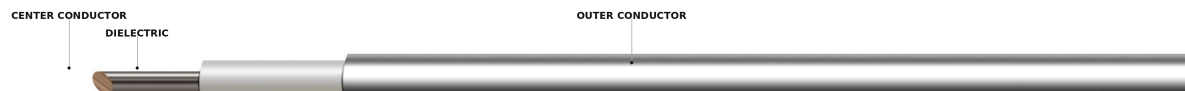


KL-020E — Semi-Rigid Coaxial Cable

Economy Semi-Rigid Coaxial Cable



Structure & Materials

Element	Dimension (mm)	Material
Center Conductor	0.127	Silver-Plated Copper
Dielectric	0.432	PTFE
Outer Conductor	0.580	Seamless Copper Tube, Ternary-Alloy Plated

Electrical Properties

Parameter	Value
Operating Frequency	DC – 40 GHz
Cutoff Frequency	240 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)	240.1	341.3	419.6	598.5	694.2	779.2	871.3	1058.6	1298.0	1616.3
Avg. Power (kW)	0.064	0.045	0.037	0.026	0.022	0.020	0.018	0.015	0.012	0.010

Mechanical & Environmental

Static Bend Radius	Weight	Operating Temperature
1.27 mm	0.002 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