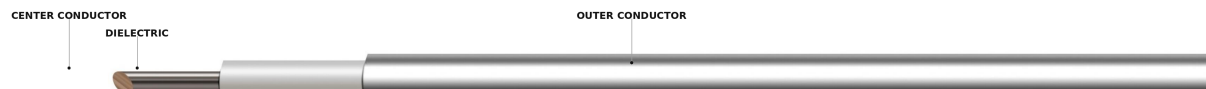


KL-250E — Semi-Rigid Coaxial Cable

Economy Semi-Rigid Coaxial Cable



Structure & Materials

Element	Dimension (mm)	Material
Center Conductor	1.63	Silver-Plated Copper
Dielectric	5.28	PTFE
Outer Conductor	6.35	Seamless Copper Tube, Ternary-Alloy Plated

Electrical Properties

Parameter	Value
Operating Frequency	DC – 18 GHz
Cutoff Frequency	24 GHz
Characteristic Impedance	50 Ω
Velocity of Propagation	70%
Shielding Effectiveness	> 165 dB
Dielectric Withstanding Voltage	500 V DC

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/100m)	22.5	34.1	44.0	69.1	84.0	98.1	114.2	149.7
Avg. Power (kW)	1.455	0.959	0.745	0.474	0.390	0.334	0.287	0.219

Mechanical & Environmental

Static Bend Radius	Weight	Operating Temperature
30 mm	0.146 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