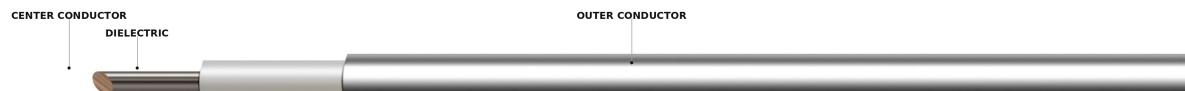


KL-141E — Semi-Rigid Coaxial Cable

Economy Semi-Rigid Coaxial Cable



Structure & Materials

Element	Dimension (mm)	Material
Center Conductor	0.94	Silver-Plated Copper
Dielectric	2.98	PTFE
Outer Conductor	3.58	Seamless Copper Tube, Ternary-Alloy Plated

Electrical Properties

Parameter	Value
Operating Frequency	DC – 26.5 GHz
Cutoff Frequency	34 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	26500
Attenuation (dB/100m)	38.2	55.5	69.3	102.4	120.8	137.7	156.4	195.9	249.2
Avg. Power (kW)	1.121	0.772	0.618	0.419	0.355	0.311	0.274	0.219	0.172

Mechanical & Environmental

Static Bend Radius	Weight	Operating Temperature
10 mm	0.047 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