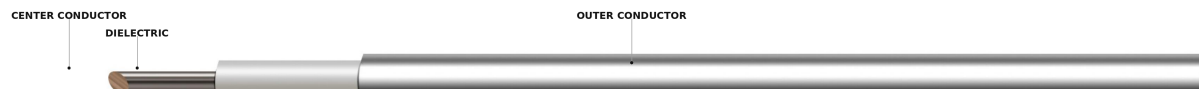


KL-086E — Semi-Rigid Coaxial Cable

Economy Semi-Rigid Coaxial Cable

**Structure & Materials**

Element	Dimension (mm)	Material
Center Conductor	0.53	Silver-Plated Copper
Dielectric	1.68	PTFE
Outer Conductor	2.18	Seamless Copper Tube, Ternary-Alloy Plated

Electrical Properties

Parameter	Value
Operating Frequency	DC – 40 GHz
Cutoff Frequency	59 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	40000
Attenuation (dB/100m)	64.9	93.1	115.2	166.6	194.7	219.9	247.6	304.9	379.9	482.7
Avg. Power (kW)	0.256	0.179	0.144	0.100	0.085	0.076	0.067	0.055	0.044	0.034

Mechanical & Environmental

Static Bend Radius	Weight	Operating Temperature
7 mm	0.021 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