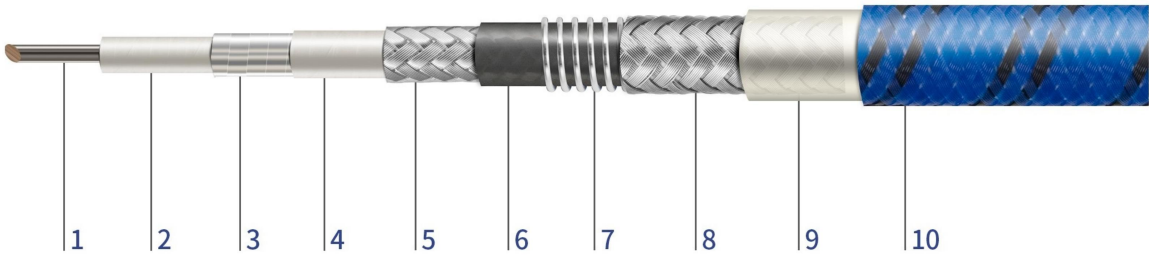


KL-150CA

High-Precision Test Cable — Armored, Phase-Stable Flex Construction



Construction Key

Segment	Layer	Dimension (mm)	Material
1–6	HC150 (base test cable)	1.85	FEP
7–8	Aarmor Layer	2.70	Silver-Plated Copper
9–10	Outer Jacket	3.90	PTFE

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

Frequency (MHz)	1000	2000	3000	6000	8000	18000	26500	40000	67000	75000	110000
Attenuation (dB/100m)	113.7	161.6	198.5	282.9	328.0	499.3	611.5	760.4	1002.7	1065.9	1314.3
Avg. Power (kW)	0.039	0.027	0.022	0.016	0.014	0.009	0.007	0.006	0.004	0.004	0.003

Mechanical Performance

Dynamic Bend Radius	Static Bend Radius	Mechanical Phase	Amplitude Stability	Weight
39 mm	19.5 mm	±10°	±0.10 dB	0.033 kg/m

Main Parameter Indicators

Operating Frequency	VSWR	Flex Life (Repeated Bending)	Operating Temperature
DC–110 GHz	≤ 1.5 @ 110 GHz	50,000 cycles	–55°C ~ +125°C

Features & Benefits

- Low insertion loss
- Low VSWR
- Flex, vibration, torsion and tensile resistant

Typical Applications

- Laboratory test
- Anechoic chamber test
- System test
- High-precision instrument interconnect
- Field test and measurement