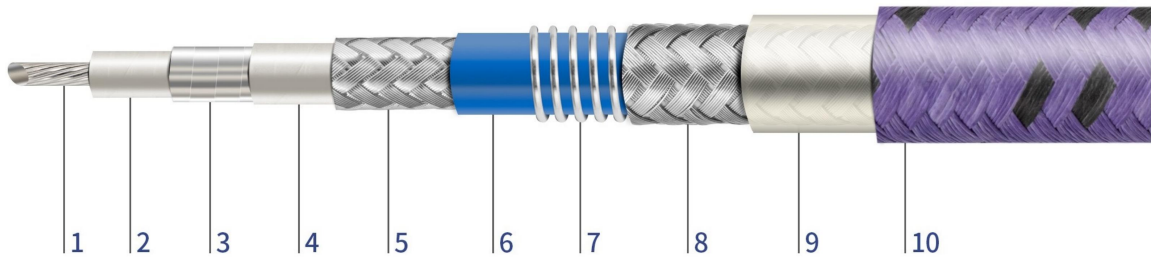


KL-500CA

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



Construction Key

Segment	Layer	Dimension (mm)	Material
1–6	HC500 (base test cable)	5.10	FEP
7–8	Armor Layer	6.70	Silver-Plated Copper
9–10	Outer Jacket	7.60	PTFE

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/100m)	27.1	38.9	48.1	69.6	81.3	91.9	103.5	127.4	158.8
Avg. Power (kW)	0.821	0.573	0.463	0.320	0.274	0.242	0.215	0.175	0.140

Mechanical Performance

Dynamic Bend Radius	Static Bend Radius	Mechanical Phase	Amplitude Stability	Weight
76 mm	38 mm	±5°	±0.05 dB	0.135 kg/m

Main Parameter Indicators

Operating Frequency	VSWR	Flex Life (Repeated Bending)	Operating Temperature
DC–26.5 GHz	≤ 1.25 @ 26.5 GHz	600,000 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