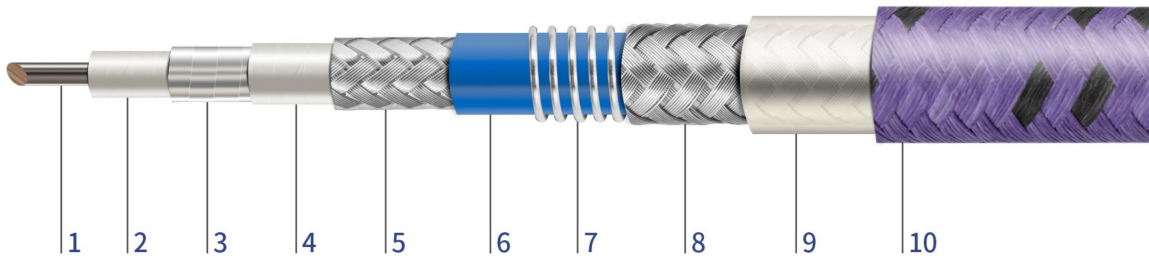


KL-800CA

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



Construction Key

Segment	Layer	Dimension (mm)	Material
1–6	HC800 (base test cable)	7.80	FEP
7–8	A armor Layer	9.45	Silver-Plated Copper
9–10	Outer Jacket	10.40	PTFE

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/100m)	16.7	23.8	29.3	42.1	48.9	55.0	61.7	75.3
Avg. Power (kW)	1.602	1.124	0.912	0.636	0.547	0.486	0.434	0.356

Mechanical Performance

Dynamic Bend Radius	Static Bend Radius	Mechanical Phase	Amplitude Stability	Weight
104 mm	52 mm	±3°	±0.10 dB	0.220 kg/m

Main Parameter Indicators

Operating Frequency	VSWR	Flex Life (Repeated Bending)	Operating Temperature
DC–18 GHz	≤ 1.20 @ 18 GHz	200,000 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