

Keysight Laser Interferometer System Cables

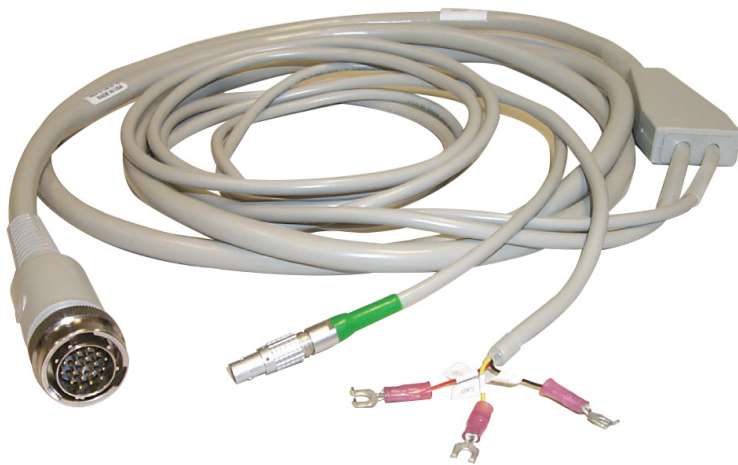
Keysight Technologies, Inc. offers a selection of cables, both fiber optic and wire, for use with Keysight Laser Interferometer systems

To interconnect the laser system components, most systems will need at least one each of the three cable types:

- Fiber optic cable (remote lens assembly to remote or integrated receiver)
- Receiver cable (remote receiver to laser axis board)
- Laser head cable (laser head to power supply and laser axis board)

Key features

- Multiple lengths available for most cables
- High performance cables minimize errors for dynamic measurements
- Locking connectors for most cable ends prevent accidental disconnection



10881D/E/F cable



E1847A cable

Selection guide

Model	Cable type	Power connector	Lengths (m)	Usage
10880A/B/C	Receiver	–	5, 10, 20	Normal
10881A/B/C	Laser head (power and ref)	Female DIN	3, 7, 20	Normal with 10884B
10881D/E/F	Laser head (power and ref)	#6 Spade lugs	3, 7, 20	Normal with user's power supply
10882A/B/C	Laser and receiver	–	3, 7, 20	With 5519A/B and E1735A USB electronics
E1705A	Fiber optic (plastic)	–	See chart	Normal (Vpin to Vpin)
E1705B	Fiber optic (plastic)	–	See chart	Normal (ST to Vpin)
E1705C	Fiber optic (plastic)	–	See chart	Normal (ST to ST)
E1705E	Fiber optic (glass)	–	See chart	Lower signal loss (ST to Vpin)
E1705F	Fiber optic (glass)	–	See chart	Lower signal loss (ST to ST)
E1847A	Laser head (power only)	#6 Spade lugs	See chart	Integrated receivers with user's power supply
E1848A	Laser head (power only)	Male DIN	See chart	Integrated receivers with user's power supply
E1848B	Laser head (power only)	Female DIN	See chart	Integrated receivers with 10884B
N1250A/B/E/F	Receiver	–	5, 10, 12, 20	High performance
N1251B	Laser head (power and ref)	Female DIN	7	High performance with 10884B

Specific cable length options

Model	Option numbers (-XXX)	Lengths (m)	Tolerance (mm)
E1705x	004	0.2	+5, –0
	020, 025	1.0, 1.25	+10, –0
	040, 050, 060, 080, 090, 100, 110, 120, 130, 140, 150, 160, 180	2, 2.5, 3, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 9	+20, –0
	200, 300, 340, 400, 800	10, 15, 17, 20, 40	+100, –0
	060, 140	3, 7	+150, –0
E1847A/E1848A/ E1848B	200, 300, 400, 600	10, 15, 20, 30	+250, –0

Cable option rule (only applies to cables in this table): Option # = Cable length in mm divided by 50 mm.

For more details on Keysight interferometry systems, components and ordering information please visit www.keysight.com/find/lasers

KEYSIGHT SERVICES

Accelerate Technology Adoption. Lower costs.

www.keysight.com/find/services

Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.