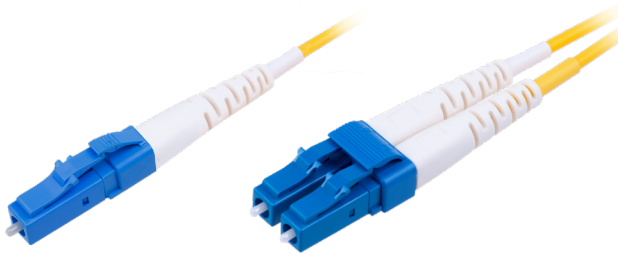


## LC Fiber Connectors

### APPLICATION

Leviton's simplex and duplex LC connectors are ideal for field termination using epoxy or anaerobic adhesives for faster terminations. Simplex connectors include one LC connector, one boot, a crimp ring (not included for 900-micron), a dust cap, and duplex LC connectors include two simplex connectors plus a duplexing clip. The combination of a ceramic ferrule and precision polymer housing provides consistent long-term mechanical and optical performance. Duplex connectors with duplexing clip ensure the correct polarity of fiber pairs during patching operations. Typical installations are in premise LAN environments or anywhere adhesive-style connectors are specified. Leviton's Fast-Cure™ consumable termination materials and tools support these connectors.



### SPECIFICATION

Anaerobic adhesive-style fiber optic connector shall meet or exceed the requirements described in ANSI/TIA-568.3-D and TIA-604-10, FOCIS-10 standards. All plastic components shall be molded of 94 V-0 rated plastic. The connector shall be field-polished, field-installable, and does not require a curing oven or proprietary tool to facilitate the termination of the fiber. The connector shall be available in single-mode or multimode configurations, simplex or duplex supporting 900 μm buffered fiber, or 2-3mm jacketed fiber applications. Typical connector insertion loss shall be 0.2 dB for single-mode and Multimode with connector return loss greater than > 26dB (multimode) and > 50 dB (single-mode).

### FEATURES

- Termination in less than 3 minutes using anaerobic adhesive
- Low insertion loss
- High repeatability and high thermal stability
- Dust protection caps included
- Precision zirconia ceramic ferrules
- 900 micron, 2.0 mm and 3.0 mm applications

### STANDARDS & REGULATIONS

- ANSI/TIA-568.3-D
- TIA-604-10, FOCIS-10
- IEC 61753-1
- IEC 61754-20
- GR-326 or IEC 61300-2
- RoHS

### MECHANICAL SPECIFICATIONS

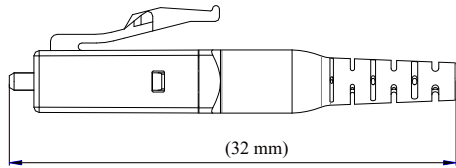
Dimensions:	See page two
Weight Simplex:	1.63 grams
Weight Duplex:	3.36 grams

### PERFORMANCE SPECIFICATIONS

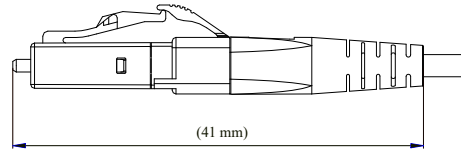
Single-mode:	≤ 0.25 dB, Typical 0.12 dB
Multimode:	≤ 0.25 dB, Typical 0.15 dB
Return Loss	
Single-mode:	> 50 dB
Multimode:	> 26 dB
Operating Temperature:	-20 °C to +70 °C (when installed)

### WARRANTY INFORMATION

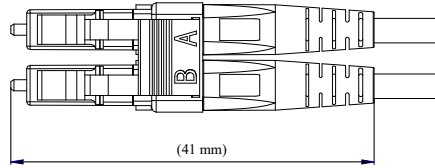
For Leviton product warranties, go to [leviton.com/warranty](http://leviton.com/warranty)



Simplex with boot for 900µm fiber



Simplex with boot for 2mm/3mm cable



Duplex with boot for 2mm/3mm cable

**LC FIBER CONNECTORS**

Part No.	Description	Contents
FOCLSEPSM001	Single-mode, Simplex 2mm Connector	3.0 mm white boot, blue body, heat shrink/crimp tube, dust cap
FOCLSEPSM002	Single-mode, Simplex 900µm Connector	900µm white boot, body blue, dust cap
FOCLSEPM001	Multimode, Simplex, 2.0 mm Connector	2.0 mm white boot, beige body, heat shrink/crimp tube, dust cap
FOCLSEPM002	Multimode, Simplex, 900µm connector	900µm white boot, beige body, dust cap
FOCLCEPSM001	Single-mode, Duplex, 2.0 mm Connector	2.0 mm white boot, blue body, blue duplex clip, heatshrink/crimp tube (2), dust cap (2)
FOCLCEPM001	Multimode, Duplex, 2.0 mm Connector	2.0 mm boot white (2), beige body (2), beige duplex clip, heatshrink/crimp tube (2), dust cap (2)
FOCLCEPM003	Multimode, Duplex, 3.0 mm Connector	3.0 mm white boot (2), beige body (2), beige duplex clip, heatshrink/crimp tube (2), crimp support (2), dust cap (2)

Note: Hex Crimp Die: 3.25 mm

**SUPPORTING TOOLS AND MATERIALS**

Description	Part No.
Fast-Cure™ Tool Kit	49800-FTK
Universal Fiber Optic Consumable Kit	49800-CON

**Fast-Cure Tool Kit:** Designed for use with any single-mode or multimode field-installable anaerobic adhesives connector: LC, SC, or ST. The kit comes in its own compact, lightweight case, complete with an inspection scope, polishing pad, Standard 2.5mm and LC 1.25mm polishing tool, LC scope adapter, fiber optic crimp tool, safety glasses, scissors, jacket stripper, and music wire. Loctite 680 Hardener and Loctite 680 Primer Kit is sold separately.

**Universal Consumables Kit:** Contains everything you need to clean and polish single-mode and multimode connectors. The kit includes lint-free wipes, alcohol pads, piano wire, and 12-, 3- and 0.3-micron lapping film.

For further support information, visit [leviton.com/ns/support](http://leviton.com/ns/support)