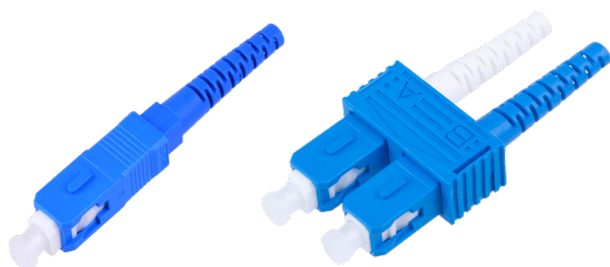


SC Fiber Connectors

APPLICATION

Leviton's simplex and duplex SC connectors are ideal for field termination using epoxy or anaerobic adhesives for faster terminations. Simplex connectors include one SC connector, one 2.4-3.0 mm boot, one 900-micron boot, a crimp ring, and a dust cap. Duplex SC connectors include two simplex connectors, plus a duplexing clip. The combination of a pre-radiused 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 Fast-Cure Tool Kit support these connectors.



SPECIFICATION

Anaerobic adhesive-style fiber optic connector shall meet or exceed the requirements described in TIA-568.3-D and TIA-604-3, FOCIS-3 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 2-3 mm jacketed fiber applications. Typical connector insertion loss shall be 0.12 dB for single-mode and 0.15 dB for multimode with connector return loss greater than > 50 dB for single-mode and > 26dB for multimode.

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 boot and 2.4 mm to 3.0 mm boot for cord applications

STANDARDS & REGULATIONS

- ANSI/TIA-568.3-D
- TIA-604-3, FOCIS-3
- GR-326 or IEC 61300-2
- IEC 61753-1, IEC 61754-4
- RoHS

MECHANICAL SPECIFICATIONS

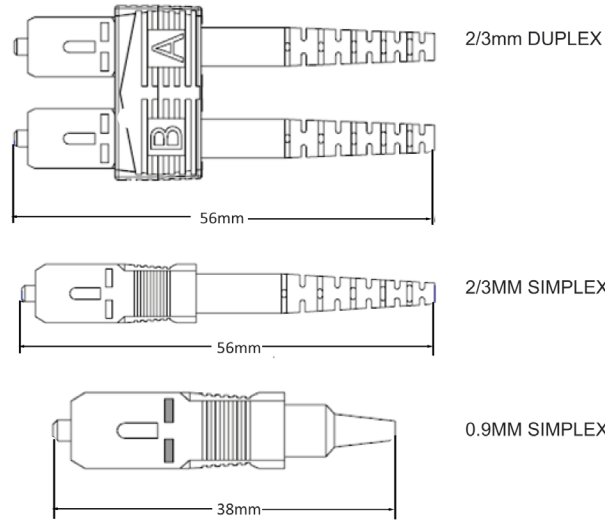
Dimensions:	See page two
Weight Simplex:	3.2 grams
Weight Duplex:	8.3 grams

PERFORMANCE SPECIFICATIONS

Insertion Loss	
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:	-40 °C to +85 °C (SC connector & components)

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/warranty



SC FIBER CONNECTORS

Part No.	Description	Contents
FOCSCEPSM001	Single-mode, Simplex, Connector	900µm blue boot, 2.4-3.0mm white boot, 2.4-3.0mm blue boot, blue body, transparent dust cap, crimp ring, crimp sleeve
FOCSCEPMM001	Multimode, Simplex, Connector	900µm blue boot, 2.4-3.0mm white boot, 2.4-3.0mm blue boot, beige body, transparent dust cap, crimp ring, crimp sleeve
FOCDCEPSM001	Single-mode, Duplex, Connector	900µm blue boot (2), 2.4-3.0mm white boot, 2.4-3.0mm blue boot, blue body assy (2), blue duplex clip assy, transparent dust cap (2), crimp ring (2), crimp sleeve (2)
FOCDCEPMM001	Multimode, Duplex, Connector	900µm blue boot (2), 2.4-3.0mm white boot, 2.4-3.0mm blue boot, beige body assy (2), beige duplex clip assy, transparent dust caps (2), crimp ring (2)

Note: Crimp Ring Hex Crimp Die: 4.5 mm
 Crimp Sleeve Hex Crimp Die: 4.7 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