LEVITON ®

FOCSTEPxx001

ST Fiber Connectors

APPLICATION

Leviton's simplex ST connectors are ideal for field termination using either epoxy or anaerobic adhesives for faster terminations. Single-mode and multimode connectors come with a 2-3 mm boot, a 900-micron boot, a dust cap, and a crimp ring. The combination of a pre-radiused ceramic ferrule and precision polymer housing provides consistent long-term mechanical and optical performance. 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 field installation of these connectors.

SPECIFICATION

Anaerobic adhesive-style fiber optic connector shall meet or exceed the requirements described in TIA/EIA-568.3-D and EIA/TIA-604-2, FOCIS-2 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, 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 > 26 dB for multimode.

FEATURES

• Termination in less than 3 minutes using anaerobic adhesive
• Precision pre-polished zirconia ceramic ferrules
• 900-micron boot and 2.0 mm to 3.0 mm boot for cord applications
• Low insertion loss
• High repeatability and high thermal stability
• Metal coupling and body
• Dust protection caps included
• Each connector is packaged individually

STANDARDS & REGULATIONS

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

MECHANICAL SPECIFICATIONS

Dimensions: See page two
Weight: 4.6 grams

PERFOMANCE SPECIFICATIONS
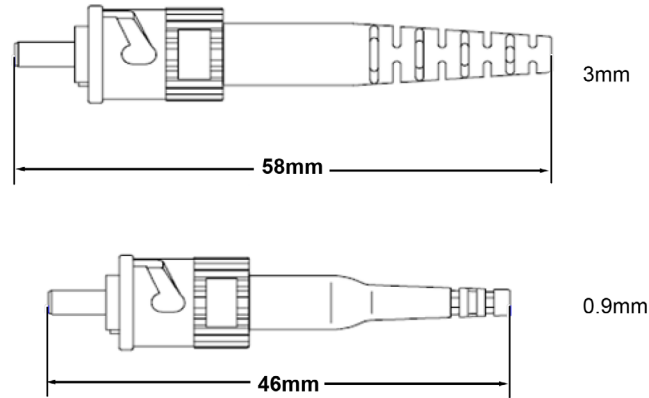
Insertion Loss
        Single-mode: ≤ 0.25 dB, Typical 0.12 dB
        Multimode: ≤ 0.25 dB, Typical 0.15 dB
Return Loss
        Single-mode: > 50 dB
        Multimode: > 26 dB
Operating Temperature: -40 ºC to +85 ºC
                          (ST connector and components)

WARRANTY INFORMATION

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

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3mm

58mm

0.9mm

46mm

ST FIBER CONNECTORS		
Part No.	Description	Contents
FOCSTEPSM001	Single-mode, Connector	900µm yellow boot, 3.0 mm black boot, 3mm yellow boot, crimp ring, crimp sleeve, dust cap
FOCSTEPMM001	Multimode, Connector	900µm boot black, 3.0 mm black boot, 3.0 mm red boot, crimp ring, crimp sleeve, transparent dust cap

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

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