

FastCAM® Pre-Polished Connectors

APPLICATION

FastCAM connectors are pre-polished, field-installable connectors that eliminate the need for hand polishing, bonding, or epoxy in the field. They are available in LC, SC, or ST, single-mode or multimode (standard 50/125 μm , 62.5/125 μm , and SC or LC laser optimized 50/125 μm) configurations terminated on 250 or 900 μm buffered fiber and/or 2 or 3 mm jacketed fiber. All connectors allow verification of optical continuity, by use of the visual fault locator (VFL). FastCAM connectors are designed for premise environments, patch panels, and rapid repair/replacement requirements, as well as data centers and applications requiring fast network deployment.

SPECIFICATION

The FastCAM mechanical fiber optic connector shall meet or exceed the requirements described in ANSI/TIA-568-C and 604 standards. Connector shall be pre polished and field installable to eliminate the need for hand polishing, bonding, or epoxy in the field. Connector shall be available in LC, SC, or ST, single-mode or multimode (standard 50/125 μm and 62.5/125 μm , and SC or LC laser optimized 50/125 μm) configurations terminated on 250 or 900 μm buffered fiber and 2 or 3 mm jacketed fiber. Maximum connector insertion loss shall be no greater than 0.5 dB, with an average of 0.1 dB. Typical connector return loss shall be 35 dB (multimode) and 55 dB (single mode). All versions shall allow continuity to be verified by use of a visual fault locator (VFL).

FEATURES

- Precision mechanical termination
- Fast and easy to install (less than one minute)
- No polishing, epoxy curing, consumables
- No proprietary tools
- Low insertion loss connection
- Uses proven, molded v-groove technologies
- Allow optical continuity to be verified by use of visual fault locator (VFL)

STANDARDS COMPLIANCE

Meets ANSI/TIA-568-C.3 performance requirements
Meets ANSI/TIA-604-2 (ST), -3 (SC), -10A (LC)
Connector Intermateability Standards

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FastCAM SC Single-mode Connector



FastCAM ST 62.5/125 μm Multimode Connector



FastCAM LC, 50/125 μm Multimode Connector

49991-XXX

DESIGN CONSIDERATIONS

- Single-mode and multimode versions
- Precision, pre-radiused zirconia ferrules
- 900 μm or 250 μm buffered cable termination for SC, LC, and ST
- 2 or 3 mm jacketed cable
- Physical contact (PC) polish for multimode
- Ultra physical contact (UPC) polish for single mode
- Not recommended for termination in outside plant applications/installations
- Leviton LYNX* Cleaver and Fujikura CT-30A* recommended for multimode and single-mode FastCAM connectors
- Visual fault locator is recommended for use to verify the optical continuity of the FastCAM connector

*Alternative high precision cleavers may be substituted if they achieve a guaranteed maximum cleaving angle of 2 degrees for multimode fibers and 1 for single-mode fibers.

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

Leviton Network Solutions

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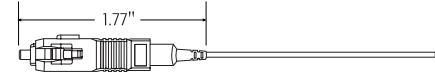
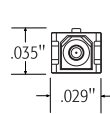
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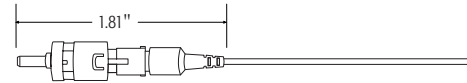
ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

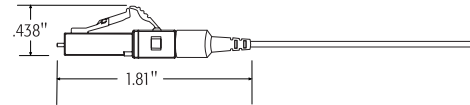
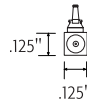
Performance Specifications	
Parameter	Value
Insertion Loss (Multimode)	Typical: 0.1 dB; Max: 0.5 dB
Insertion Loss (Single Mode)	Typical: 0.2 dB; Max: 0.5 dB
Return Loss (Multimode)	Typical: 25 dB
Return Loss (Single Mode)	Typical: 55 dB
Operating Temperature:	-40° C to +75° C



SC Connector



ST Connector



LC Connector

49991-XXX

Leviton FastCAM® Connectors	
Description	Part No.
FastCAM ST Multimode 62.5 μm, beige	49991-MST
FastCAM ST Multimode 50 μm, black	49991-5ST
FastCAM ST Single-mode, blue	49991-SST
FastCAM SC Multimode 62.5 μm, beige	49991-MSC
FastCAM SC Multimode 50 μm, black	49991-5SC
FastCAM SC Single-mode, blue	49991-SSC
FastCAM SC Multimode 50 μm LO, aqua	49991-LSC
FastCAM LC Multimode 62.5 μm, beige	49991-MLC
FastCAM LC Multimode 50 μm, black	49991-5LC
FastCAM LC Single-mode, blue	49991-SLC
FastCAM LC Multimode 50 μm LO, aqua	49991-LLC

Leviton FastCAM Installation Kits and Tools	
Description	Part No.
FastCAM Tool Kit w/ LYNX cleaver, work tray and gooseneck LED	49800-LAK
FastCAM Tool Kit w/ LYNX Cleaver	49800-MSK
FastCAM Tool Kit w/ CT-30A Cleaver	49800-SMK
Visual Fault Locator (VFL)	49886-VFL
LYNX Cleaver	49886-LNX
Gooseneck LED (use with LYNX Cleaver)	49886-LGN
Work Tray (use with LYNX Cleaver)	49886-LNT
CT-30A Cleaver	49886-CTA



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