

FastCAM™ Pre-Polished Connectors

APPLICATION

Leviton's FastCAM Connectors are pre-polished, field-installable connectors that eliminate the need for hand polishing in the field. FastCAM connectors are available in LC, SC, or ST, Single-mode or Multimode (standard 50/125µm, 62.5/125µm, and Laser Optimized 50/125µm) configurations terminated on 250 or 900µm buffered fiber. 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.

FEATURES

- Precision mechanical termination
- Fast and easy to install
- No polishing, no epoxy curing, no consumables
- No proprietary tools
- Low insertion loss connection
- Uses proven molded v-groove technologies

PERFORMANCE SPECIFICATIONS

PARAMETER	VALUE
Insertion Loss (Single-mode or Multimode):	Typical: 0.2dB
Return Loss (Single-mode):	Typical: 56dB
Return Loss (Multimode):	Typical: 35dB
Operating Temperature:	-40°C to +75°C

DESIGN CONSIDERATIONS

- Single-mode and multimode versions
- Precision pre-radiused zirconia ferrules
- 900µm or 250µm buffered cable
- Physical Contact (PC) polish for multimode
- Ultra Physical Contact (UPC) polish for single-mode
- Not recommended for Outside Plant applications/installations
- Fujikura CT-30A* cleaver is recommended for single-mode and multimode FastCAM connectors (included in Leviton installation kit 49800-SMK)
- AFL 92208-TB* cleaver is recommended for multimode FastCAM connectors (included in Leviton installation kit 49800-MMK)

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



Pictured (left to right): SC Connector, LC Connector, ST Connector

WARRANTY INFORMATION

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

STANDARDS COMPLIANCE

Meets TIA/EIA 568-B.3 performance requirements
Meets TIA/EIA 604-2 (ST), -3 (SC), -10A (LC) Connector Interchangeability Standards

TYPICAL SPECIFICATION

The FastCAM mechanical fiber optic connector shall meet or exceed the requirements described in TIA/EIA 568B and 604 standards. Connector shall be pre-polished and field-installable to eliminate the need for hand polishing in the field. Connector shall be available in LC, SC or ST, Single-mode or Multimode (standard 50/125µm and 62.5/125µm, and Laser Optimized 50/125µm) configurations terminated on 250 or 900µm buffered fiber. Typical connector Insertion Loss shall be no greater than 0.5dB, with an average of 0.2dB. Typical connector Return Loss shall be 35dB (multimode) and 56dB (single-mode).

ELECTRONIC FILES

For CAD files, Typical Specs, or Dimensional Line Art (.DXF, .DWG, MS-DOS.eps or .TXT), visit www.leviton.com.



For Technical Support Call 1-425-485-4288; in USA call 1-800-824-3005.
Spec sheets and updates are also available at www.leviton.com.

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Tel: 1-800-722-2082 / 1-425-485-4288 • Fax: 1-425-483-5270 • Int'l Fax: 1-425-485-9170 • GSA Schedule Available.



FastCAM™ Pre-Polished Connectors

Part Numbers

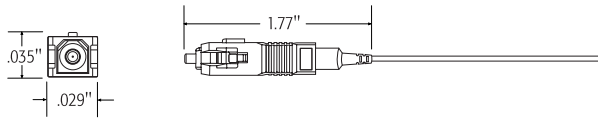
49991-xxx

49800-xMK

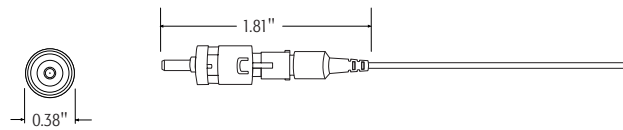


DIMENSIONAL LINE ART

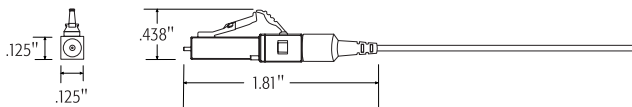
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SC Connector



ST Connector



LC Connector

Leviton FastCAM Connectors	
Description	Part No.
FastCAM ST Multimode 62.5µm, beige	49991-MST
FastCAM ST Multimode 50µm, black	49991-5ST
FastCAM ST Single-mode, blue	49991-SST
FastCAM ST Multimode 50µm LO, aqua	Not Offered
FastCAM SC Multimode 62.5µm, beige	49991-MSC
FastCAM SC Multimode 50µm, black	49991-5SC
FastCAM SC Single-mode, blue	49991-SSC
FastCAM SC Multimode 50µm LO, aqua	49991-LSC
FastCAM LC Multimode 62.5µm, beige	49991-MLC
FastCAM LC Multimode 50µm, black	49991-5LC
FastCAM LC Single-mode, blue	49991-SLC
FastCAM LC Multimode 50µm LO, aqua	49991-LLC

Leviton FastCAM Installation Kits	
Description	Part No.
Single-mode/Multimode	49800-SMK
Multimode	49800-MMK

NOTE: Installation kits include a cleaver, fiber stripper, and both dry and alcohol-moistened cleaning wipes.



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