Thread-Lock™ SC Fiber Optic Connector

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APPLICATION

Field termination of singlemode and multimode fiber optic cable.

STANDARDS COMPLIANCE

Meets or exceeds all applicable standards. Complies with TIA/EIA-568-B. Meets industry standards for performance and tensile strength.

PHYSICAL SPECIFICATIONS

Capacity:	Singlemode: 9/125 micron
	Multimode: 50/125 micron and 62.5/125 micron
Climatic Category:	-40/+80 centigrade
Materials:	Body - Nickel plated brass
	Housing - Plastic
	Strain-relief boot - Santoprene
Loss Specification:	.2 dB typical
Mounting:	Push/pull dual latch

DESIGN CONSIDERATIONS

- Reusable compression-type retention––no epoxy or UV cure
- Multiple mating/fully intermateable
- Applicable to 3mm, 900 micron, and 250 micron cable
- Insertion loss typical at .20 dB
- Duplex clips available.

TYPICAL SPECIFICATION

Fiber optic connectors shall be "SC" type with a ceramic ferrule. The connectors shall be field-installable and require no epoxy, heat cure devices or special tooling to facilitate the termination of the fiber. The connector shall be of a design that allows removal and retermination, using the same connector to reduce material waste. The connector shall meet all applicable TIA/EIA standards for fiber optic connector reliability and intermateability. The manufacturer shall provide a one-year limited product warranty and 15 year product performance guarantee. The manufacturer shall provide a lifetime warranty against defects in material and workmanship, and an application guarantee when installed as part of a certified system.

See ELECTRONIC FILES for CAD files (.DXF, .DWG, MS-DOS.EPS) on disk

For ELECTRONIC Typical Specs see (.TXT) file on disk.

INSTALLATION NOTES

- Installation instructions and tightening tool are included in each box of 50 connectors.
- A basic Fiber Optic tool kit is available (see ordering info).

UNIQUE FEATURES

- Connector may be removed and reused.
- No epoxy or special crimp tools required.
- No heat cure devices required.
- Appropriate for permanent or temporary applications.
- Termination time–2 minutes.

WARRANTY INFORMATION

- One-year limited product warranty and 15-year performance guarantee are standard.
- Product and performance warranties are extended to a Lifetime as part of Leviton's Certified Cabling System.
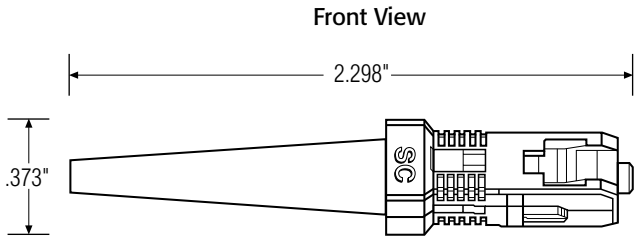
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DIMENSIONAL LINE ART

See ELECTRONIC FILES for CAD images
(.DXF, .DWG, MS-DOS.EPS)

Front View

2.298"

.373"

SC

Side View

.098"
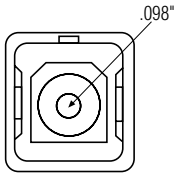
PART NUMBERS

Description	art No.
Singlemode SC connector	49884-SSC
Multimode SC connector	49884-MSC
SC/ST® Combination Tightening Tool	49886-CTT
Combined ST/SC Tightening Tool	49886-CTT

PART NUMBERS

Description	Part No.
Universal Fiber Optic Tool Kit	49800-UTK
Universal Fiber Optic Tool Kit Plus (w (Versa-Cleave™)	49800-UTP
Universal Fiber Optic Consumables Kit	49800-CON

**For Applications Engineering Support – Call 1-425-485-4288; in USA call 1-800-722-2082.
Spec sheets and updates are also available at www.levitonvoicedata.com.**

ISO 9001 REGISTERED Quality Manufacturer

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