



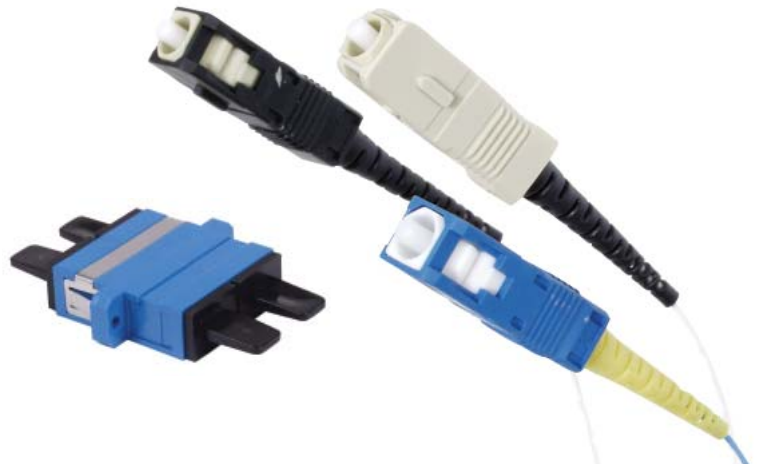
HUBBELL
OptiChannel

SC-style Connectors and Adapters

Anaerobic or Epoxy.

Singlemode and Multimode.

Bayonet Twist Interconnection.



FEATURES

SC Connectors

- Universal termination.
- Low insertion loss and return loss.
- Wide operating temperature.
- Precision PC zirconia ferrule.
- Optional 3mm boot and crimp ring kit available.

SC Adapters

- Both SC to SC and SC to ST styles available.
- Phosphor-bronze split alignment sleeves.
- Snap in panel mount (clip included).
- Engineered plastic housing.
- Screw mount flanges provided.
- Includes mounting screws and dust caps.

Anaerobic or Epoxy field termination . . . we give you the choice. This high quality SC connector can be terminated with either heat-cured epoxy or a quick cure anaerobic adhesive. The anaerobic adhesive provides a fast, easy termination without requiring an AC powered oven. Our rear crimp feature provides superior fiber strain relief. Both singlemode and multimode SC connectors are available for use with 125 micron clad 900 micron buffered optical fibers.

Our SC adapters contain high retention phosphor-bronze alignment sleeves and are both singlemode and multimode compatible. These SC duplex feed-through adapters are constructed of a durable precision-engineered plastic and have a stainless steel mounting clip integral to the housing. Supplied with dust caps installed.

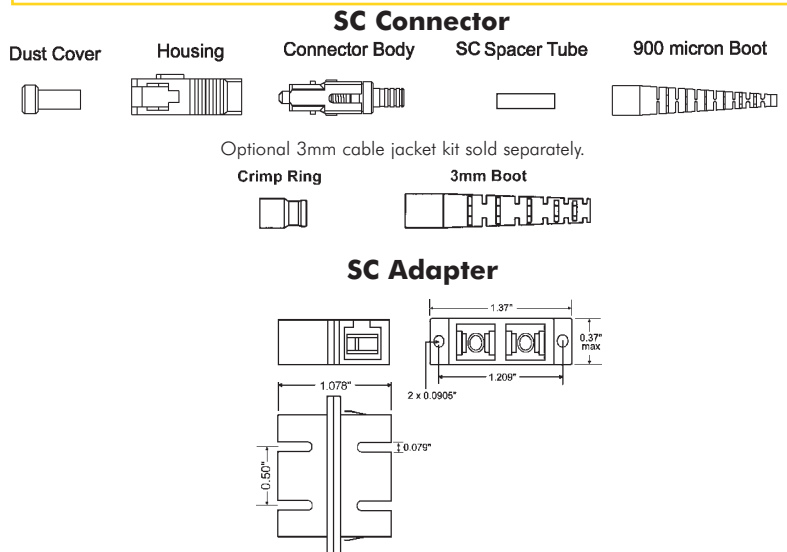
SPECIFICATIONS

- ◆ Multimode and Singlemode Mated Pair Insertion Loss: < 0.50 dB (0.25 dB typical).
- ◆ Operating/Storage Temperature:
-40°C to +80°C (Epoxy).
-20°C to +70°C (Anaerobic).
- ◆ Thermal Cycling Performance:
 $\Delta\text{dB} \leq 0.20 \text{ dB}$ (Epoxy) (-40°C to +80°C).
- ◆ Mating Durability: $\leq 0.25 \text{ dB}$ (increase after 500 matings).
- ◆ Crimp Tool Catalog No. OFCMT04.
- ◆ Recommended panel cut-out: 1.024" x 0.375".

STANDARDS/LISTINGS/VERIFICATIONS

- UL-V0 flammability rating.
- TIA/EIA-568-B.3 compliant for long-term reliability.
- Telcordia-style strain relief boot.

DIMENSIONS



APPLICATIONS SUPPORTED

- ▲ Telecommunications systems.
- ▲ CATV/video.
- ▲ Industrial process control systems.
- ▲ Local Area Networks.
- ▲ High density interconnections.
- ▲ Data transmission.
- ▲ Remote communications.

OptiChannel™ SC Connectors, Pre-polished

Delivery: 1 connector, dust cap, black boot (MM) or yellow boot (SM) and dust cap.

Description	Pack of 12 Catalog No.	Pack of 100 Catalog No.
Multimode	FCSCM12R	FCSCM100R
Singlemode	FCSCS12R	FCSCS100R

**OptiChannel™ SC Adapters****SC DUPLEX ADAPTER**

Recommended cut-out: 1.024" x 0.375".

Delivery: Package of 6 includes SC duplex adapter, MM/SM with phosphor bronze sleeves and mounting screws.

Screw Mount Catalog No.

Blue **FASCMPB6***

Green **FASCMPBG6***

Red **FASCMPBR6***

Snap mount Catalog No.

Blue **FASCEMPB6**

SC SIMPLEX ADAPTER

SM/MM.

Recommended cut-out: 0.525" x 0.390".

Delivery: Package of 12 includes adapters with phosphor bronze sleeves.

Snap Mount Catalog No.

Blue **FASCMPB12**

SC SIMPLEX APC ADAPTER

Zirconia sleeves.

Recommended cut-out: 0.525" x 0.390"

Delivery: Package of 6.

Catalog No. **FASCAC6**

SC TO ST-STYLE SIMPLEX ADAPTER

Recommended SC Simplex cut-out: 0.525" x 0.390".

Delivery: Package of 12 includes adapters with phosphor bronze alignment sleeves and nuts.

Snap mount Catalog No.

Blue **FASCSTSEMPB12**

SC TO ST-STYLE DUPLEX ADAPTER

SM/MM.

Recommended SC Duplex cut-out: 1.024" x 0.375".

Delivery: Package of 6 includes adapters with phosphor bronze sleeves.

Screw Mount Catalog No.

Blue **FASTSCMPB6**

Snap Mount Catalog No.

Blue **FASTSEMPB6**

**ACCESSORIES****Connector Termination Kit**

Cures in 6-10 seconds. Superior bond strength. Convenient paint brush in Delivery: Canned air, 10 oz., tool pouch (OFTP02C) with fiber and cable preparation tools, wipes, heat cure epoxy, anaerobic adhesive and primer, polishing paper, polishing pad, heat-cure epoxy oven, safety glasses, syringes, needles, cure adapters and clips.

Description Catalog No.

Termination Kit for ST connectors, 16-port (110VAC) **OFTK03C**

Connector Installation Tool Pouch

Delivery: Sapphire scribe, scribe guide, black permanent marker, Kevlar scissors, strip template and polishing fixture, ruler, buffer/cable jacket stripper, 200X microscope assembly, crimp tool and die.

Catalog No. **OFTP02C***

* OFLFP and OFCAP needed in addition to OFTP02C when terminating anaerobic connectors.

Epoxy Replacement Kit

Easy mix (1g) tubes fit into syringes. Superior bond strength. Cures in 10 minutes at 90°C. Eight month shelf life. 30 minute working time.

Delivery: 6 tubes 1g, 6 syringes/needles.

Catalog No. **OFCEP**

Crimp Rings/3mm Boot - for 3mm jacketed cables.

Delivery: 25 crimp sleeves and boots (MM = black, SM = yellow).

Format Catalog No. Format Catalog No.

Multimode **OFPCRKM** Singlemode **OFPCRKS**

Anaerobic Replacement Kit

Cures in 6-10 seconds. Superior bond strength. Convenient paint brush in cap. Needle tip fits on adhesive bottle.

Delivery: Primer and adhesive: 10 syringes and 10 needles.

Primer: replacement bottle of primer only.

Catalog No.

Primer/Adhesive **OFCAP**

Replacement primer **OFPRIME**

Crimp Tool

Crimp die-set (included) pre-set at factory.

Dual hex cavity: .0178"/.0151". Flat crimp 0.052". Hex crimp 0.136". Hardened die.

Catalog No. **OFCMT04**

Die-Set

Replacement die for OFCMT04.

Catalog No. **OFCMD04**

Polishing Film

Delivery: 25 sheets of 5, 1, and 0.3 micron.

Catalog No. **OFLFP**

**Hubbell Premise Wiring**

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Worldwide Locations

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Hubbell Canada Inc.	905-839-1138	Fax: 905-839-9108
Hubbell Premise Wiring, Central America	506-309-4158	Fax: 506-260-1616
Hubbell Premise Wiring, China	8621-6309-0119	Fax: 8621-6309-0122
Hubbell Premise Wiring, Colombia	571-245-8940	Fax: 571-340-0925
Hubbell Premise Wiring, Europe	44-01283 500500	Fax: 44-01283 500400
Hubbell Int'l. Inc., Korea Branch	82-2-(0)2607-1363	Fax: 82-2-(0)2603-7386

Hubbell Premise Wiring, Latin America	305-408-4501	Fax: 305-408-8201
Hubbell de Mexico, S.A. de C.V.	(5255) 9151-9999	Fax: (5255) 9151-9989
Hubbell Premise Wiring, Middle East	971-4-393-4192	Fax: 971-4-393-4194
Hubbell-Taian Co., Ltd., Taiwan	886-2-2522-1862	Fax: 886-2-2522-1872
Hubbell Premise Wiring, Turkey	90-216-313-5016	Fax: 90-216-414-8148
Hubbell Premise Wiring, Venezuela	58-416-680-7453	Fax: 58-281-274-7900

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