

# ST AND SC CONNECTORS

Siemon ST and SC multimode connectors are designed for use with a variety of termination methods...epoxy, anaerobic adhesive, and Siemon's exclusive *LightSpeed*® adhesive system. *LightSpeed* is faster, user-friendly, more secure, and more resistant to environmental extremes than the commonly used anaerobic adhesives. Siemon's *LightSpeed* adhesive system features a 30-second cure time.

The precision zirconia ceramic ferrules utilized in ST and SC multimode connectors enable a typical insertion loss performance of 0.10 dB and 30 dB typical return loss, using a manual polishing method. Singlemode connectors typically achieve 0.20 dB insertion loss and 55 dB return loss using a simple manual polishing method.

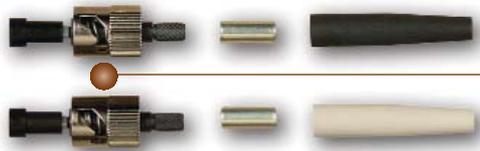
The following features are applicable to both ST and SC fiber connectors:

- Connectors utilize a precision zirconia ceramic ferrule
- Jacketed fiber version is available with color coded boots to facilitate fiber identification when terminated to duplex patchcords — beige or black for multimode and white or blue for singlemode
- Typical multimode Insertion Loss = 0.10 dB  
Return Loss = 30 dB using manual polishing
- UL 94V-0 compliant

All connectors utilize precision zirconia ceramic ferrules and include protective dust caps

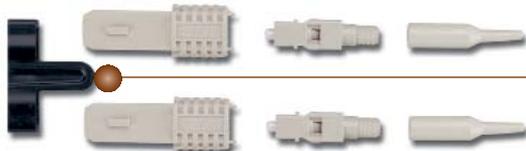


ST Connector for Buffered Fiber



ST Connector for Jacketed Fiber

ST coupling nut is metallic to assure optimum durability and engagement. Ramps are radial to facilitate mating/de-mating



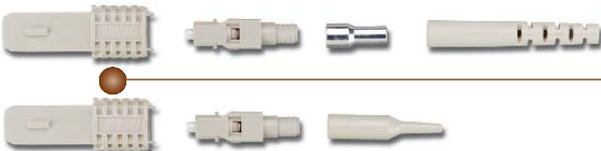
SC Duplex Connector for Buffered Fiber

SC duplex configuration features a duplexing clip, which allows each connector to be removed individually. The duplexing clip also speeds troubleshooting — an individual connector can be removed and re-terminated without disturbing the adjacent connector



SC Duplex Connector for Jacketed Fiber

Strain and bend relief boots provide improved plug-to-cable retention and maximum performance by preventing fiber deformation caused by mechanical strain



SC Simplex Connector for Jacketed and Buffered Fiber

SC outer housing and connector body are color-coded in accordance with ANSI/TIA/EIA-568-B.3 and ISO/IEC 11801:2002

# ORDERING INFORMATION

## SC Duplex Connectors:

SC connectors have a duplexing clip, which allows each connector to be removed individually. In the event fiber polarity is reversed during termination, there's no need to discard the connector. Simply remove connectors from the clip and switch to correct the mistake, saving valuable installation time and money. The duplexing clip also speeds troubleshooting. In the event there's a fault with a single connection, an individual connector can be removed from the clip and re-terminated without disturbing the adjacent connector.

### Multimode

- FC2-SC-MM-J.....Duplex, jacketed fiber, one black boot and one beige boot
- FC2-SC-MM-B80 .....Duplex, buffered fiber, two beige boots
- FC2-SC-MM .....Duplex, jacketed/buffered fibers, one black and one beige jacketed boot; two beige buffered boots

### SC Simplex Connectors:

SC simplex connectors employ an outer housing that is color-coded in accordance with TIA/EIA-568-B.3 and ISO/IEC 11801: Edition 2000 requirements (beige for multimode and blue for singlemode).

### Multimode

- FC1-SC-MM-J80.....Simplex, jacketed fiber, beige boot
- FC1-SC-MM-J01.....Simplex, jacketed fiber, black boot
- FC1-SC-MM-B80 .....Simplex, buffered fiber, beige boot
- FC1-SC-MM-01 .....Simplex, jacketed/buffered fiber, one black jacketed boot and one beige buffered boot
- FC1-SC-MM-80 .....Simplex, jacketed/buffered fiber, one beige jacketed boot and one beige buffered boot

### ST Connectors:

The ST connector employs a rugged metal bayonet coupling ring with radial ramps which facilitate engagement to the ends of the mating adapter. Two ST connectors are available for jacketed fiber, one with a beige boot and one with a black boot. The two colors enable easy identification of the fibers when terminating individual connectors to form a duplex jumper.

### Multimode

- FC1-SA-MM-J80.....Jacketed fiber, beige boot
- FC1-SA-MM-J01.....Jacketed fiber, black boot
- FC1-SA-MM-B80 .....Buffered fiber, beige boot
- FC1-SA-MM-01 .....Jacketed/Buffered fiber, black jacketed boot and beige buffered boot
- FC1-SA-MM-80 .....Jacketed/Buffered fiber, beige jacketed boot and beige buffered boot

### Singlemode

- FC2-SC-SM-J(XX).....Duplex, jacketed fiber
- FC2-SC-SM-B(XX) .....Duplex, buffered fiber
- Use (XX) to specify boot color: 02 = white, 06 = blue
- ⓑ Add "-B" to the end of part number for bulk pack for multimode and singlemode connectors (50/box)

### Singlemode

- FC1-SC-SM-J(XX).....Simplex, jacketed fiber
- FC1-SC-SM-B(XX) .....Simplex, buffered fiber
- FC1-SC-SM-(XX) .....Simplex, jacketed/buffered fiber, one jacketed boot, one buffered boot
- Use (XX) to specify boot color: 02 = white, 06 = blue
- ⓑ Add "-B" to the end of part number for bulk pack for multimode and singlemode connectors (100/box)

### Singlemode

- FC1-SA-SM-J(XX).....Jacketed fiber
- FC1-SA-SM-B(XX) .....Buffered fiber
- FC1-SA-SM-(XX) .....Jacketed/Buffered fiber,
- Use (XX) to specify boot color: 02 = white, 06 = blue
- ⓑ Add "-B" to the end of part number for bulk pack for multimode and singlemode connectors (100/box)

## Fiber Termination Kit:

FTERM-L2 .....  
LightSpeed® Fiber Termination Kit for ST and SC singlemode and multimode connectors. Includes carrying case and all the tools required for jacketed and buffered style terminations\*.



\*All consumables including primer, adhesive, wipes, alcohol pads and polishing films are contained in the consumables kit and must be ordered separately. Contents of the FTERM Termination Kit are also available individually. Contact our Customer Service Department for more information

## Fiber Termination Consumables Kit:

FT-CKIT-L2 .....Consumables Kit for FTERM-L2\*\*  
\*\*This product contains material with a time and temperature sensitive shelf life. Store between 40-100° F (4.4-38.5° C).  
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For related product information request Spec Sheet(s):  
LightSpeed® Fiber Termination Kit (PROD-SS-FTK)  
Rack Mount Interconnect Center (PROD-SS-RIC)  
FCP3 Fiber Connect Panel (PROD-SS-FC3)  
SWIC3 Wall-Mount Interconnect Center (PROD-SS-WI3)  
Fiber Outlet Box (PROD-SS-FOB)  
LightSystem® Jumpers & Pigtails (PROD-SS-FJ1)  
XGLO™ Jumpers & Pigtails (PROD-SS-LOF)

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