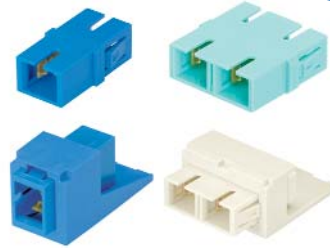


# SC Fiber Optic Adapters

## specifications

SC fiber optic adapters with integrated panel retention clips are TIA/EIA-604 FOCIS-3 compliant. Each SC simplex adapter shall connect one SC connector pair in one module space. Each SC duplex adapter shall connect two SC connector pairs in two module spaces. SC adapters and adapter modules shall include phosphor bronze split sleeves for multimode applications or zirconia ceramic split sleeves for singlemode applications.



## technical information

|                                |  |
|--------------------------------|--|
| <b>Standards requirements:</b> | TIA/EIA-604 FOCIS-3 compliant; exceeds TIA/EIA-568-B.3 requirements  |
| <b>Split sleeve material:</b>  | Phosphor bronze or zirconia ceramic (required for singlemode applications)   |
| <b>Insertion loss:</b>         | .1dB average (multimode), .15dB average (singlemode); supports the performance of FOCIS-3 compliant connectors/patch cords |
| <b>Return loss:</b>            | Supports singlemode (>40dB for SPC and >55dB for UPC) and multimode (>20dB) connector polish performance                   |

\*Panduit LC Connector/Adapter connection

## key features and benefits

|   |   |
|---|---|
| <b>Integrated panel retention clips</b>   | No metal clips to become bent, damaged or lost; clips automatically adjust for FOCIS-3 compliant panel thickness variations for improved mounting |
| <b>High glass transition temperature latch material (Tg&gt;100°C)</b>   | Meets Telcordia GR-326-CORE, Issue 3; maintains latch integrity/geometry in high temperature environments for improved reliability                |
| <b>Improved adapter protective cap design</b>   | Maximum protection from contamination; protective cap fully surrounds split sleeve opening  |
| <b>Short flange design</b>  | Improved modularity and higher density usage  |
| <b>Choice of phosphor bronze or zirconia ceramic split sleeves</b>  | Provides an adapter split sleeve material option to fit specific network requirements   |
| <b>Q.C. number and split sleeve material laser marked on every adapter</b>  | Assures 100% traceability; quick and easy identification of split sleeve material: SC-P = Phosphor Bronze and SC-Z = Zirconia Ceramic             |
| <b>Adapters available in Mini-Com® Modules</b>  | System flexibility; adapter modules can be used in all Mini-Com® Closet Products and Work Area Outlets  |
| <b>Adapters available in patch panels, fiber adapter panels (FAPs) and Opticom® QuickNet™ Pre-Terminated MTP* Cassettes</b> | Provides a complete SC system solution  |
| <b>Adapters and modules available in multiple colors</b>  | Allows color-coding for network segregation   |

## applications

Panduit SC Fiber Optic Adapters can be used with Mini-Com® Modules, Patch Panels, Faceplates and Surface Mount Boxes for a complete SC system solution. SC adapters provide a robust solution for LANs, public networks, storage area networks and

fiber-to-the-desk applications. SC adapters can also be mounted in high-density applications within Opticom® QuickNet™ Pre-Terminated MTP\* Cassettes and Fiber Enclosures, and Opticom® Fiber Adapter Panels (FAPs) and Enclosures.

\*MTP is a registered trademark of US Conec Ltd.

**www.panduit.com**

### SC Fiber Optic Adapters

|                                |            |
|--------------------------------|------------|
| <b>Simplex MM:</b>             | FASSCEI-L  |
| <b>Duplex MM:</b>              | FADSCEI-L  |
| <b>Simplex 10Gig™:</b>         | FASSCAQ-L  |
| <b>Duplex 10Gig™:</b>          | FADSCAQ-L  |
| <b>Simplex 10Gig™ (zirc.):</b> | FASSCZAQ-L |
| <b>Duplex 10Gig™ (zirc.):</b>  | FADSCZAQ-L |
| <b>Simplex SM (zirc.):</b>     | FASSCZBU-L |
| <b>Duplex SM (zirc.):</b>      | FADSCZBU-L |
| <b>Simplex APC (zirc.):</b>    | FASSCZAG-L |
| <b>Duplex APC (zirc.):</b>     | FADSCZAG-L |

L = Bag of 50 adapters; 100 per carton.

### Mini-Com® SC Adapter Modules

|                                |            |
|--------------------------------|------------|
| <b>Simplex MM:</b>             | CMSEISCEI  |
| <b>Duplex MM:</b>              | CMDEISCEI  |
| <b>Simplex 10Gig™:</b>         | CMSAQSCBL  |
| <b>Duplex 10Gig™:</b>          | CMDAQSCBL  |
| <b>Simplex 10Gig™ (zirc.):</b> | CMSAQSCZBL |
| <b>Duplex 10Gig™ (zirc.):</b>  | CMDAQSCZBL |
| <b>Simplex SM (zirc.):</b>     | CMSBUSCZBU |
| <b>Duplex SM (zirc.):</b>      | CMDBUSCZBU |
| <b>Simplex APC (zirc.):</b>    | CMSAGSCZBL |
| <b>Duplex APC (zirc.):</b>     | CMDAGSCZBL |

### Opticom® SC Fiber Adapter Panels

|                               |             |
|-------------------------------|-------------|
| <b>6 duplex MM:</b>           | FAP6WEIDSC  |
| <b>6 duplex 10Gig™:</b>       | FAP6WAQDSCZ |
| <b>6 duplex SM (zirc.):</b>   | FAP6WBUDSCZ |
| <b>12 simplex SM (zirc.):</b> | FAP12WBUSCZ |

### Opticom® QuickNet™ Pre-Terminated MTP\* Cassettes

|                             |          |
|-----------------------------|----------|
| <b>12 SC to MTP* (12f):</b> | FC^12-3S |
| <b>6 SC to MTP* (12f):</b>  | FC^12-3  |

### SC Simplex Fiber Optic Connectors

|                               |           |
|-------------------------------|-----------|
| <b>MM (900µm/3mm, black):</b> | FSCMBL    |
| <b>MM (900µm/3mm, red):</b>   | FSCMRD    |
| <b>SM (900µm/3mm, blue):</b>  | FSCSBU    |
| <b>MM (900µm/2mm, black):</b> | FSCM2.0BL |
| <b>MM (900µm/2mm, red):</b>   | FSCM2.0RD |
| <b>SM (900µm/2mm, blue):</b>  | FSCS2.0BU |

### SC Duplex Fiber Optic Connectors

|                              |       |
|------------------------------|-------|
| <b>Multimode (3mm only):</b> | FSCDM |
|------------------------------|-------|

### Opti-Core® Fiber Optic Patch Cords

|                               |          |
|-------------------------------|----------|
| <b>Duplex SC to SC:</b>       | F^D3-3M‡ |
| <b>Simplex SC to SC:</b>      | F^S3-3M‡ |
| <b>Simplex SC to pigtail:</b> | F^B3-NM‡ |

### HD Connector Removal Tool

|                       |       |
|-----------------------|-------|
| <b>For LC and SC:</b> | HDCRT |
|-----------------------|-------|

\*\*Substitute for module color:

|                         |                |
|-------------------------|----------------|
| EI = Electric Ivory     | BU = Blue      |
| IG = International Gray | WH = White     |
| TG = Technical Gray     | BL = Black     |
| AW = Arctic White       | IW = Off White |
| EW = European White     |                |

^Substitute for fiber type:

X (OM3/OM4 – 10Gig™ 50/125µm), 5 (OM2 – 50/125µm), 6 (OM1 – 62.5/125µm) or 9 (OS1 – 9/125µm).

‡Substitute for length in meters: 1, 2, 3, 5 or 10 for patch cords, and 1, 2 or 3 for pigtails; singlemode patch cords are also available in 12, 15, 25 or 30 meter lengths. Contact Customer Service for other available lengths.

# SC Fiber Optic Adapters

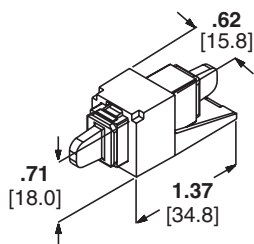
## selection information

| Part Number               | Adapter Type             | Split Sleeve Material | Adapter Color  | Module Color | Average Insertion Loss <sup>^</sup> | Return Loss <sup>^</sup> |      |       |
|---------------------------|--------------------------|-----------------------|----------------|--------------|-------------------------------------|--------------------------|------|-------|
| <b>SC Adapters</b>        |                          |                       |                |              |                                     |                          |      |       |
| FASSCEI-L                 | Multimode Simplex        | Phosphor Bronze       | Electric Ivory | N/A          | .1dB                                | >20dB                    |      |       |
| FADSCEI-L                 | Multimode Duplex         | Phosphor Bronze       | Electric Ivory | N/A          |                                     |                          |      |       |
| FASSCAQ-L                 | 10Gig™ Multimode Simplex | Phosphor Bronze       | Aqua           | N/A          |                                     |                          |      |       |
| FADSCAQ-L                 | 10Gig™ Multimode Duplex  | Phosphor Bronze       | Aqua           | N/A          |                                     |                          |      |       |
| FASSCZAQ-L                | 10Gig™ Multimode Simplex | Zirconia Ceramic      | Aqua           | N/A          |                                     |                          |      |       |
| FADSCZAQ-L                | 10Gig™ Multimode Duplex  | Zirconia Ceramic      | Aqua           | N/A          |                                     |                          |      |       |
| FASSCZBU-L                | Singlemode Simplex       | Zirconia Ceramic      | Blue           | N/A          | .15dB                               | >40dB                    |      |       |
| FADSCZBU-L                | Singlemode Duplex        | Zirconia Ceramic      | Blue           | N/A          |                                     |                          |      |       |
| FASSCZAG-L                | APC Singlemode Simplex   | Zirconia Ceramic      | Green          | N/A          |                                     |                          |      |       |
| FADSCZAG-L                | APC Singlemode Duplex    | Zirconia Ceramic      | Green          | N/A          |                                     |                          |      |       |
| <b>SC Adapter Modules</b> |                          |                       |                |              |                                     |                          |      |       |
| CMSEISCEI                 | Multimode Simplex        | Phosphor Bronze       | Electric Ivory | Various**    |                                     |                          | .1dB | >20dB |
| CMDEISCEI                 | Multimode Duplex         | Phosphor Bronze       | Electric Ivory | Various**    |                                     |                          |      |       |
| CMSAQSCBL                 | 10Gig™ Multimode Simplex | Phosphor Bronze       | Aqua           | Black        |                                     |                          |      |       |
| CMDAQSCBL                 | 10Gig™ Multimode Duplex  | Phosphor Bronze       | Aqua           | Black        |                                     |                          |      |       |
| CMSAQSCZBL                | 10Gig™ Multimode Simplex | Zirconia Ceramic      | Aqua           | Black        |                                     |                          |      |       |
| CMDAQSCZBL                | 10Gig™ Multimode Duplex  | Zirconia Ceramic      | Aqua           | Black        |                                     |                          |      |       |
| CMSBUSCZBU                | Singlemode Simplex       | Zirconia Ceramic      | Blue           | Various**    | .15dB                               | >40dB                    |      |       |
| CMDBUSCZBU                | Singlemode Duplex        | Zirconia Ceramic      | Blue           | Various**    |                                     |                          |      |       |
| CMSAGSCZBL                | APC Singlemode Simplex   | Zirconia Ceramic      | Green          | Black        |                                     |                          |      |       |
| CMDAGSCZBL                | APC Singlemode Duplex    | Zirconia Ceramic      | Green          | Black        |                                     |                          |      |       |

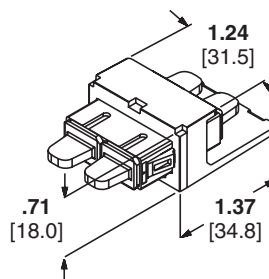
<sup>^</sup>Panduit SC Connector/Adapter connection

\*\*For other colors, replace suffix EI or BU with EI (Electric Ivory), BU (Blue), IG (International Gray), WH (White), TG (Technical Gray), BL (Black), AW (Arctic White), IW (Off White) or EW (European White).

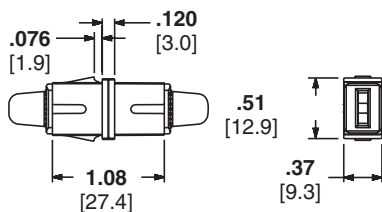
### Mini-Com® SC Simplex Adapter Module



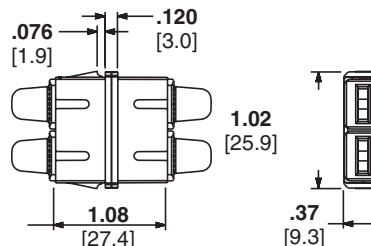
### Mini-Com® SC Duplex Adapter Module



### SC Simplex Adapter



### SC Duplex Adapter



Dimensions are in inches [Dimensions in brackets are in millimeters]

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or by phone: 800-777-3300 and reference FBSP16

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