



**Manufacturer:**  
AFL

**Product Name:**  
AFL FASTConnect® SC Connector, UPC, Singlemode Fiber - 100 Pack

**Manufacturer Part Number:**  
FASTSCSM100

▶ [Click here for more details on the AFL FASTConnect® SC Connector, UPC, Singlemode Fiber - 100 Pack](#)

## FASTConnect® Field-Installable Connectors

FASTConnect are factory pre-polished, field-installable connectors that completely eliminate the need for hand polishing in the field. Proven mechanical splice technology ensuring precision fiber alignment, a factory pre-cleaved fiber stub and a proprietary index-matching gel combine to offer an immediate low loss termination to either single-mode or multimode optical fibers. FASTConnect are compatible with 250 µm and 900 µm optical fibers, as well as 4.8 mm (SC only) cordage.

All primary fiber types are supported, and each connector is color coded per industry standard requirements to aide in identification during and after installation. A factory-installed wedge clip (included with each connector) is removed and discarded upon completion of the termination. Incorporated into this device is an innovative, translucent wedge enabling the use of a common VFI to provide a "pass/fail" signal once physical contact is achieved.



### Features

- No epoxy, no Polish
- Low insertion loss
- Fiber can be reinserted up to three times
- 4.8 mm (SC only) cordage compatibility
- VFI accessory to confirm proper installation

### Applications

- Premise/Enterprise Networks
- LAN/WAN Connections
- Patch Panels
- Equipment Termination
- FTTx Applications
- Field Repair/Replacement
- Equipment Test Leads

### Specifications

| Parameter                       | Type              | Value                            |
|---------------------------------|-------------------|----------------------------------|
| Insertion Loss:                 | Single-mode - UPC | Average: 0.2 dB, Maximum: 0.5 dB |
|                                 | Single-mode - APC | Average: 0.3 dB, Maximum: 0.6 dB |
|                                 | Multimode - PC    | Average: 0.1 dB, Maximum: 0.5 dB |
| Return Loss at Room Temperature | Single-mode - UPC | Average: -50 dB, Maximum: -45 dB |
|                                 | Single-mode - APC | Average: -55 dB, Maximum: -50 dB |
|                                 | Multimode         | Average: -25 dB, Maximum: -20 dB |

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

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# FASTConnect® Field-Installable Connectors

## Ordering Information

| Fiber Type                 | Housing Color | Cable Size | AFL No.          |                    |
|----------------------------|---------------|------------|------------------|--------------------|
|                            |               |            | Package of 6     | Package of 100     |
| <b>FASTConnect SC</b>      |               |            |                  |                    |
| Multimode 62.5/125 µm, OM1 | Beige         | 900 µm     | FAST-SC-MM62.5-6 | FAST-SC-MM62.5-100 |
| Multimode 50 µm LOMMF*     | Aqua          | 900 µm     | FAST-SC-MM50L-6  | FAST-SC-MM50L-100  |
| Single-mode, UPC           | Blue          | 900 µm     | FAST-SC-SM-6     | FAST-SC-SM-100     |
| Single-mode, APC           | Green         | 900 µm     | FAST-SC-SMAU-6   | FAST-SC-SMAU-100   |
| <b>FASTConnect ST</b>      |               |            |                  |                    |
| Multimode 62.5/125 µm, OM1 | Beige         | 900 µm     | FAST-ST-MM62.5-6 | FAST-ST-MM62.5-100 |
| Multimode 50 µm LOMMF*     | Aqua          | 900 µm     | FAST-ST-MM50L-6  | FAST-ST-MM50L-100  |
| Single-mode, UPC           | Blue          | 900 µm     | FAST-ST-SM-6     | FAST-ST-SM-100     |
| <b>FASTConnect LC</b>      |               |            |                  |                    |
| Multimode 62.5/125 µm, OM1 | Beige         | 900 µm     | FAST-LC-MM62.5-6 | FAST-LC-MM62.5-100 |
| Multimode 50 µm LOMMF*     | Aqua          | 900 µm     | FAST-LC-MM50L-6  | FAST-LC-MM50L-100  |
| Single-mode, UPC           | Blue          | 900 µm     | FAST-LC-SM-6     | FAST-LC-SM-100     |
| Single-mode, APC           | Green         | 900 µm     | FAST-LC-SMAU-6   |                    |

\* Laser Optimised MM Fiber (LOMMF) Compatible with OM2, OM3 and OM4 fibers.

## Accessories

| Tool Kits   | AFL NO.        |
|---|----------------|
| FASTConnect High Precision Tool Kit with CT50 Cleaver         | CS001201       |
| Visual Fault Identifiers                                      | AFL NO.        |
| VF14 visual fault identifier with 2.5 mm and 1.25 mm adapters | VF14-01-0900PR |

### Qualifications

| Governing Body | Standard Code          |
|----------------|------------------------|
| EIA/TIA        | 568-C.3<br>604 (FOCIS) |

### Patents

| Country | Patent Number(s)  |
|---------|---|
| U.S.    | 5,963,699<br>5,984,532<br>6,179,482<br>7,003,208<br>7,258,496 |

### Temperature Specifications

| Temperature Range     |                |
|-----------------------|----------------|
| Operating Temperature | -40°C to +75°C |

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