



## Features

- No Epoxy, No Polish
- Low Insertion Loss
- Fiber Can Be Reinserted up to Three Times
- 3.0 mm, 2.0 mm and 900  $\mu$ m 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

## 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. FAST Connectors are compatible with 250  $\mu$ m and 900  $\mu$ m optical fibers, as well as 900  $\mu$ m, 2 mm and 3 mm 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.

## Specifications

| PARAMETER                        |                        | 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: -55 dB, Maximum: -45 dB |
|                                  | Single-mode - APC-AU*  | Average: -55 dB, Maximum: -50 dB |
|                                  | Single-mode - APC-AA** | Average: -65 dB, Maximum: -60 dB |
|                                  | Multimode              | Average: -25 dB, Maximum: -20 dB |
| Operating Temperature            |                        | -40°C to +75°C                   |

\*Angle/Flat Cleaves

\*\*Angle/Angle Cleaves

TIA/EIA-568-C.3 Compliant

TIA/EIA-604 (FOCIS) Compliant

## Ordering Information

| FIBER TYPE                              | HOUSING COLOR | CABLE SIZE | AFL NO.          |                    |
|-----------------------------------------|---------------|------------|------------------|--------------------|
|                                         |               |            | PACKAGE OF 6     | PACKAGE OF 100     |
| FASTCONNECT SC                          |               |            |                  |                    |
| Multimode 62.5/125 μm, OM1              | Beige         | 900 μm     | FAST-SC-MM62.5-6 | FAST-SC-MM62.5-100 |
| Multimode 50/125 μm, OM2                | Black         |            | FAST-SC-MM50-6   | FAST-SC-MM50-100   |
| Multimode 50/125 μm, OM3/OM4 compatible | Aqua          |            | FAST-SC-MM50L-6  | FAST-SC-MM50L-100  |
| Single-mode, UPC                        | Blue          |            | FAST-SC-SM-6     | FAST-SC-SM-100     |
| Single-mode, APC-AU                     | Green         |            | FAST-SC-SMAU-6   | FAST-SC-SMAU-100   |
| Single-mode, APC-AA                     | Green         |            | FAST-SC-SMAA-6   | FAST-SC-SMAA-100*  |
| FASTCONNECT ST                          |               |            |                  |                    |
| Multimode 62.5/125 μm, OM1              | Beige         | 900 μm     | FAST-ST-MM62.5-6 | FAST-ST-MM62.5-100 |
| Multimode 50/125 μm, OM2                | Black         |            | FAST-ST-MM50-6   | FAST-ST-MM50-100   |
| Multimode 50/125 μm, OM3/OM4 compatible | Aqua          |            | FAST-ST-MM50L-6  | FAST-ST-MM50L-100  |
| Single-mode, UPC                        | Blue          |            | FAST-ST-SM-6     | FAST-ST-SM-100     |
| FASTCONNECT LC                          |               |            |                  |                    |
| Multimode 62.5/125 μm, OM1              | Beige         | 900 μm     | FAST-LC-MM62.5-6 | FAST-LC-MM62.5-100 |
| Multimode 50/125 μm, OM2                | Black         |            | FAST-LC-MM50-6   | FAST-LC-MM50-100   |
| Multimode 50/125 μm, OM3/OM4 compatible | Aqua          |            | FAST-LC-MM50L-6  | FAST-LC-MM50L-100  |
| Single-mode, UPC                        | Blue          |            | FAST-LC-SM-6     | FAST-LC-SM-100     |

\* Requires FAST APC Tool Kit for installation

U.S. Patents: 5,963,699 / 5,984,532 / 6,179,482 / 7,003,208 / 7,258,496

## FASTConnect® Field-Installable Connectors

### Accessories

| DESCRIPTION                               |                                                              |            | AFL NO.         | AFL NO.           |
|-------------------------------------------|--------------------------------------------------------------|------------|-----------------|-------------------|
| BOOT KITS FOR 2 MM AND 3 MM CORDAGE       | COLOR                                                        | CABLE SIZE | PACK OF 6       | PACK OF 100       |
| 2 mm Boot Kit, SC/LC/ST                   | Black                                                        | 2 mm       | FAST-BOOT-2MM-6 | FAST-BOOT-2MM-100 |
| 3 mm Boot Kit, SC/LC/ST                   | Black                                                        | 3 mm       | FAST-BOOT-3MM-6 | FAST-BOOT-3MM-100 |
| DUPLEX CLIPS                              |                                                              |            |                 |                   |
| LC Duplex Clip (LC only)                  | Transparent                                                  |            | CS010437-06     | CS010437-100      |
| TOOL KITS                                 |                                                              |            |                 | AFL NO.           |
| FAST UPC Tool Kit                         | For all UPC style connectors and SC/ APC-AU (CT-30A Cleaver) |            |                 | CS001201          |
| FAST UPC Tool Kit                         | For all UPC style connectors and SC/APC-AU (CT-06A Cleaver)  |            |                 | CS010975          |
| FAST APC Tool Kit                         | For SC/APC-AA connectors (OX-FAC-08 Cleaver)                 |            |                 | CS012290          |
| VISUAL FAULT IDENTIFIERS                  |                                                              |            |                 | AFL NO.           |
| AFL NOYES® VFI 2                          |                                                              |            |                 | VFI2-00-0900      |
| AFL NOYES HiLite                          |                                                              |            |                 | VFI3-00-0900      |
| 1.25 mm Universal Adapter (LC Connectors) |                                                              |            |                 | 2900-50-0010MR    |

### Testing

