



# Field Installable Fiber Optic Fast Connectors

## Product Specifications

**Easy install in less than 2 minutes by a technician with any level of expertise!**

The Multicom Field-installable Fiber Optic Connectors feature a pre-polished ferrule (UPC/APC), that couples to the fiber being terminated by precision mechanical alignment, insuring low loss with a proprietary gel.

Offering convenience and stability, the assembly of the connector requires only normal fiber preparation tools and minimal space, making them easy to prepare in the field in minutes. Just strip the buffer, cleave and clean the fiber, and then insert the fixed-length fiber through the ferrule of the connector.

### Features:

- Quick and easy fiber termination in less than two minutes
- No epoxy, fiber polishing, special tools or fusion splicer required
- Precision mechanical alignment insures low insertion loss
- High optical performance
- Uses proven, molded v-groove technologies

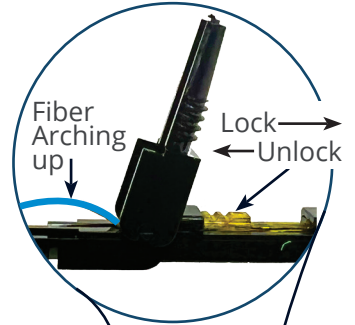


### Installation Example:

1. Insert the retention cap on to the end of the cable and slide yellow locking slider to the unlock (left-most) position before inserting fiber.



The yellow locking slider serves two functions. In the left-most position (towards the fiber), it allows the fiber to be put into the proper position in the connector. In the right-most position it securely locks the fiber into place.



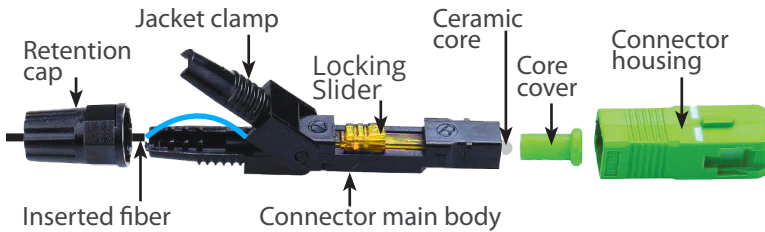
2. Insert the fiber along the fiber guide on the connector until it stops and arches up slightly.



3. Push the yellow locking slider into the locked position to lock fiber into position, push down the jacket clamp.



4. Screw on the retention cap and add the connector housing. Clean the fiber connector end surface.



| Parameter             | Specification   |
|-----------------------|---|
| Connector Type        | SC/LC/FC, Simplex   |
| Cable Diameters       | 0.9 / 2.0 / 3.0mm   |
| Fiber Mode            | Singlemode / Multi-Mode   |
| Polish                | APC / UPC   |
| Insertion Loss        | APC: ≤0.35dB, UPC: ≤0.35dB                                      |
| Return Loss           | APC: ≥50dB, UPC: ≥45dB  |
| Tension Test          | ≥50N  |
| Operating Temperature | -40°C ~ +75°C   |
| Compliance            | Designed to Telcordia GR-20-CORE, GR-326 and TIA/EIA 568C, RoHS |

### M-FOCON-FI-SM-XX/YYY-F

- Fiber Diameter (mm) - 0.9, 2.0, 3.0
- Connector Type - XX=SC, FC, LC / YYY=UPC, APC
- Singlemode

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