

**Manufacturer:**

AFL

**Product Name:**AFL FUSEConnect® Splice-On SC Connector, 50µm (micron)  
Laser-Optimized Multimode Fiber, 3mm Aqua Boot**Manufacturer Part Number:**

FUSESC3M50L6

[Learn More](#)[Click here for more details on the AFL FUSEConnect® Splice-On SC Connector, 50µm \(micron\) Laser-Optimized Multimode Fiber, 3mm Aqua Boot](#)

## FUSEConnect® Fusion-Spliced, Field-Installable Connectors

AFL's FUSEConnect fusion-spliced, field installable connectors are uniquely designed and feature only four to five components. The factory pre-polished ferrule eliminates the need for polishing, adhesives, and crimping in the field, which minimizes the potential for operator error and expensive connector scrap.

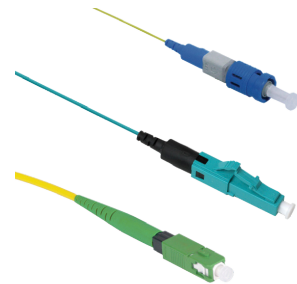
FUSEConnect utilizes a fusion splicer to terminate the connector in the field, addressing return loss concerns present in analog optical networks. This advanced process yields true APC performance for SC/APC and LC/APC configurations. FUSEConnect is compatible with Fujikura fusion splicers and most other fiber holder-based fusion splicing platforms.

**Features**

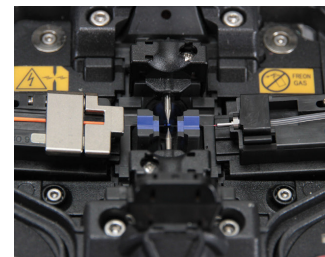
- Field installable
- No adhesives, crimping or polishing
- True APC performance
- Compatible with most fusion splicers

**Applications**

- Connectorization in:
  - RF-overlay FTTP networks
  - Cable TV backbone networks
  - Outside plant
  - FTTH
  - MDU FTTP Cabling
- Central office connector replacement
- Data center installation



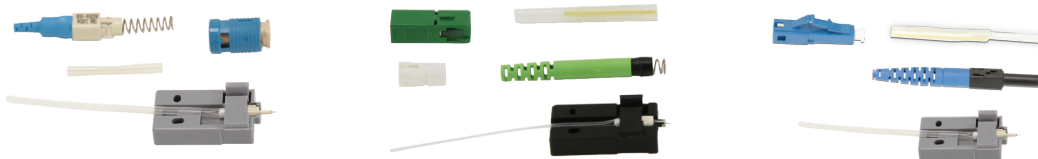
FUSEConnect Connectors (SC, LC, ST)



FUSEConnect in Fusion Splicer

**Specifications**

PARAMETER	VALUE
Connector Type	SC, LC, ST
Cable Type	900 µm, 2 mm, 3 mm, 4.8 mm (SC only)
Polish	APC, UPC, PC
Insertion Loss	SM: 0.15 dB (average), 0.25 dB (maximum) / MM: 0.10 dB (average), 0.25 dB (maximum)
Return Loss	SM: ≤ -65 dB (APC), ≤ -55 dB (UPC) / MM: ≤ -35 dB (PC)



FUSEConnect Kits—ST (blue), SC (green), LC (blue)

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

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

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*Product specifications and data are  
subject to change without notice.*

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# FUSEConnect® Fusion-Spliced, Field-Installable Connectors

## Ordering Information

Connector Type	Boot Type	AFL NO.*			
		UPC SM (Blue)	APC SM (Green)	PC 62.5 µm MM (Beige)	PC 50 µm LOMMF (Aqua) **
SC	900 µm	FUSE-SC9SMU-6	FUSE-SC9SMA-6	FUSE-SC9M62-6	FUSE-SC9M50L-6
	3 mm	FUSE-SC3SMU-6	FUSE-SC3SMA-6	FUSE-SC3M62-6	FUSE-SC3M50L-6
LC	900 µm	FUSE-LC9SMU-6	FUSE-LC9SMA-6	FUSE-LC9M62-6	FUSE-LC9M50L-6
	2 mm	FUSE-LC2SMU-6	FUSE-LC2SMA-6	FUSE-LC2M62-6	FUSE-LC2M50L-6
ST	900 µm	FUSE-ST9SMU-6	—	FUSE-ST9M62-6	FUSE-ST9M50L-6
	2 mm	FUSE-ST2SMU-6	—	FUSE-ST2M62-6	FUSE-ST2M50L-6
	3 mm	FUSE-ST3SMU-6	—	FUSE-ST3M62-6	FUSE-ST3M50L-6

\* AFL NO. is for one pack of 6 pieces

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

## Temperature Specifications

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

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