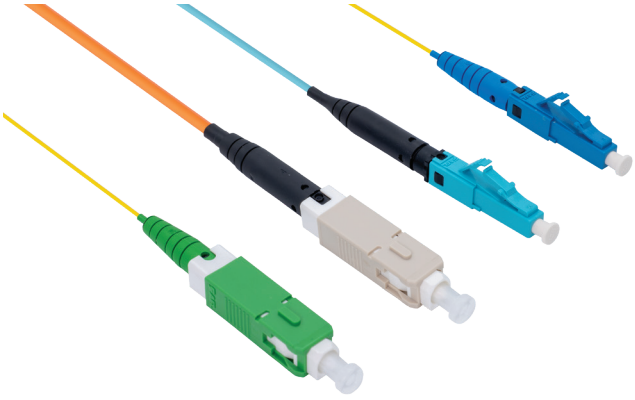
FUSEConnect® Fusion-Spliced, Field-Installable Connectors

AFL's FUSEConnect fusion-spliced, field installable connectors are uniquely designed to eliminate the need for polishing, adhesives, crimping, and index matching gel in the field, which minimizes the potential for operator error and expensive connector scrap. The FUSEConnect family utilizes a fusion splicer to terminate the connector in the field and address return loss concerns present in analog optical networks. This advanced process yields true APC performance for APC configurations.

AFL introduces the next generation of SC and LC splice-on connectors to this product family featuring a simplified and improved design for ease of installation and an updated packaging look. All connector types are compatible with Fujikura field fusion splicers and most other fiber holder-based fusion splicing platforms.



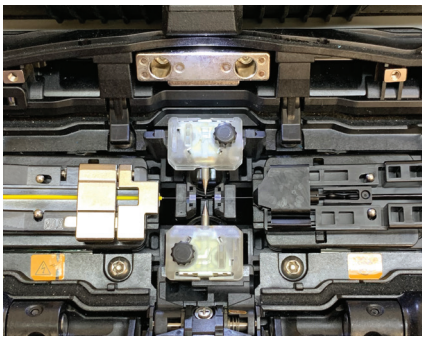
Next Generation FUSEConnect Connectors SC (left) and LC (right)

Features

- Field installable
- No adhesives, crimping or polishing
- Intermateable with other industry standard SC and LC connectors
- True APC return loss performance
- Compatible with Fujikura fusion splicers and other common fusion splicers
- Sold in packs of 6 connectors
- Meets ANSI/TIA-568.3 compliance

Applications

- Connectorization in:
  - RF-overlay FTTP networks
  - Cable TV backbone networks
  - Outside plant & FTTx applications
  - FTTD
  - MDU FTTP Cabling
- Central office
- Data center installation
- Repairs and restoration

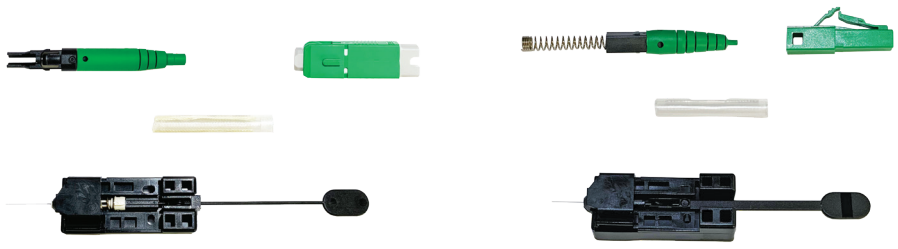


FUSEConnect in Fusion Splicer

Specifications

PARAMETER	VALUE
Connector Type	SC, LC
Cable Type	900 µm, 2 mm, and 3 mm
Polish	APC, UPC, PC
Insertion Loss (New Product)*	SM: 0.15 dB (average), 0.25 dB (maximum) MM: 0.10 dB (average), 0.25 dB (maximum)
Return Loss (New Product)*	SM: ≤ -65 dB (APC), ≤ -55 dB (UPC) MM: ≤ -35 dB (PC)
Operating Temperature	-40°C to +75°C
Connectors per Pack	6

* Insertion loss and return loss impacted by handling, cleanliness and quality of splice. AFL maintains the above values for new product prior to shipping before it leaves the factory, but cannot guarantee installed product will perform the same due to varying influences at installation.



Next Generation FUSEConnect Kits—SC (2 mm/3 mm), LC (900 µm)

continued

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Specifications are subject to change without notice.

AFLglobal.com/contact
Sales & Support

FUSEConnect® Fusion-Spliced, Field-Installable Connectors

Ordering Information

Connector Type	Boot Type	AFL NO. (pack of 6)			
		SM UPC (Blue)	SM APC (Green)	MM OM1, 62.5 µm (Beige)	MM LOMM, 50 µm (Aqua)
SC	900 µm	FUSE2-SC9SMU-6	FUSE2-SC9SMA-6	FUSE2-SC9M62-6	FUSE2-SC9M50L-6
	2 mm	FUSE2-SC2SMU-6	FUSE2-SC2SMA-6	FUSE2-SC2M62-6	FUSE2-SC2M50L-6
	3 mm	FUSE2-SC3SMU-6	FUSE2-SC3SMA-6	FUSE2-SC3M62-6	FUSE2-SC3M50L-6
LC	900 µm	FUSE2-LC9SMU-6	FUSE2-LC9SMA-6	FUSE2-LC9M62-6	FUSE2-LC9M50L-6
	2 mm	FUSE2-LC2SMU-6	FUSE2-LC2SMA-6	FUSE2-LC2M62-6	FUSE2-LC2M50L-6

Ordering Information – Accessories

Description	AFL No.
LC Duplex Clip	CS010437-06 (pack of 6) CS010437-100 (pack of 100)
Tool Kit	FUSE-TL-KT
Accessory Kit	FUSE-AC-KT

Qualifications

Governing Body	Standard Code
EIA/TIA	568.3 Issue E 604 (FOCIS)

Contact AFL for further details.

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