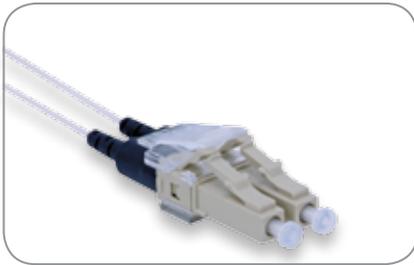


FuseConnect Connectors (SC, FC, LC, ST)



FuseConnect LC Connectors – Duplex Clip Installed



FuseConnect in Fusion Splicer

## FuseConnect™ Fusion Spliced Field-Terminated Connectors

AFL's FuseConnect fusion-spliced, field-terminated connectors are uniquely designed and feature just four components. With a factory pre-polished ferrule, its innovative field-termination process eliminates polishing, adhesives, and crimping in the field minimizing 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 of >65 dB return loss in an SC/APC configuration and SC single-mode is compliant to GR-326-CORE. Designed to work with an industry standard 10 mm cleave length and splicers utilizing a fiber holder system, FuseConnect is compatible with Fujikura fusion splicers and most other fiber holder-based fusion splicing platforms.

FuseConnect 900 µm connectors do not require the optional FuseConnect Installation Kit. They only require the 900 µm FuseConnect fiber holder for installation.

### Features

- Field installable
- Only four components
- No adhesives, crimping or polishing
- True APC performance
- MM compliant to TIA/EIA568C.3
- Compatible with most fusion splicers

### Applications

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

### Specifications

PARAMETER	VALUE
Connector Type	SC, LC, FC, ST
Cable Type	900 µm, 2 mm, 3 mm
Polish	APC, UPC, PC
Insertion Loss	SM: 0.15 dB (average), 0.3 dB (maximum) / MM: 0.10 dB (average), 0.3 dB (maximum)
Return loss	SM => 65 dB (APC), > 55 dB (UPC) / MM => 30 dB (PC)
Operating Temperature	-40°C to +75°C

## Ordering Information

CONN. TYPE	BOOT TYPE	AFL NO.* (packaged 6 per pack)				
		UPC SM (Blue)	APC SM (Green)	PC 62.5 µm MM (Beige)	PC 50.0 µm MM (Black)	PC 50.0 µm 10GIG*** MM (Aqua)
SC	900 µm**	FUSE-SC-9U-SMU-6	FUSE-SC-9U-SMA-6	FUSE-SC-9U-MM62-6	FUSE-SC-9U-MM50-6	FUSE-SC-9U-MM50L-6
	2 mm	FUSE-SC-2/3M-SMU-6	FUSE-SC-2/3M-SMA-6	FUSE-SC-2/3M-MM62-6	FUSE-SC-2/3M-MM50-6	FUSE-SC-2/3M-MM50L-6
	3 mm	FUSE-SC-2/3M-SMU-6	FUSE-SC-2/3M-SMA-6	FUSE-SC-2/3M-MM62-6	FUSE-SC-2/3M-MM50-6	FUSE-SC-2/3M-MM50L-6
LC	900 µm	FUSE-LC-9U-SMU-6	FUSE-LC-9U-SMA-6	FUSE-LC-9U-MM62-6	FUSE-LC-9U-MM50-6	FUSE-LC-9U-MM50L-6
	2 mm	FUSE-LC-2M-SMU-6	FUSE-LC-2M-SMA-6	FUSE-LC-2M-MM62-6	FUSE-LC-2M-MM50-6	FUSE-LC-2M-MM50L-6
FC	900 µm	FUSE-FC-9U-SMU-6	—	FUSE-FC-9U-MM62-6	FUSE-FC-9U-MM50-6	FUSE-FC-9U-MM50L-6
ST	900 µm	FUSE-ST-9U-SMU-6	—	FUSE-ST-9U-MM62-6	FUSE-ST-9U-MM50-6	FUSE-ST-9U-MM50L-6

DESCRIPTION	AFL NO.
LC Duplex Clip (package of 6 clips)	CS010437-06

\* AFL NO. is for a single unit    \*\* FuseConnect SC 900 µm second generation    \*\*\* Compatible with OM3 and OM4 fibers