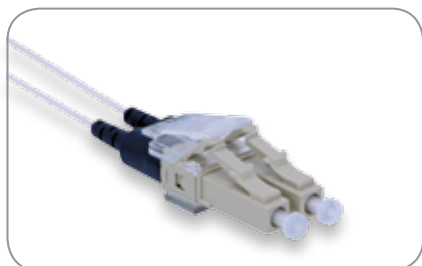


FuseConnect Connectors (SC, FC, LC, ST)



FuseConnect Packaging



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 μ m connectors do not require the optional FuseConnect Installation Kit. They only require the 900 μ m 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 FTTN networks
 - Cable TV backbone networks
 - Outside plant
 - FTTH
 - MDU FTTN Cabling
- Central office connector replacement
- Data center installation

Specifications

PARAMETER	VALUE
Connector Type	SC, LC, FC, ST
Cable Type	900 μ m, 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.*				
		UPC SM (Blue)	APC SM (Green)	PC 62.5 μ m MM (Beige)	PC 50.0 μ m MM (Black)	PC 50.0 μ m 10GIG MM (Aqua)
SC	900 μ m**	CS010247	CS010245	CS010249	CS010251	CS010253
	2 mm	CS004519	CS004516	CS007794	CS007800	CS007806
	3 mm	CS004518	CS004515	CS007793	CS007799	CS007805
LC	900 μ m	CS008237	CS010241	CS008243	CS008241	CS008239
	2 mm	CS008248	CS010242	CS008254	CS008252	CS008250
FC	900 μ m	CS010259	—	CS010261	CS010341	CS010343
ST	900 μ m	CS011251	—	CS011252	CS011253	CS011254

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

* AFL NO. is for a single unit

** FuseConnect SC 900 μ m second generation