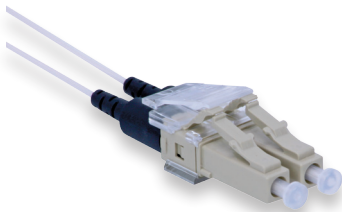


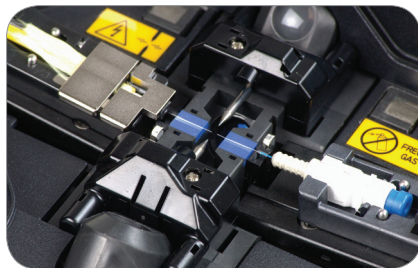
FuseConnect™ Connectors (SC, FC, LC, ST)



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 >65dB return loss in an SC/APC configuration and SC single-mode is compliant to GR-326-CORE. Designed to work with an industry standard 10mm 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™ 900µm connectors do not require the optional FuseConnect™ Installation Kit. They only require the 900µm 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
 - FTTHdesk
 - MDU FTTP Cabling
- Central office connector replacement
- Data center installation

Specifications

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

Ordering Information

CONN. TYPE	BOOT TYPE	AFL NO.*				
		UPC SM (Blue)	APC SM (Green)	PC 62.5µm MM (Beige)	PC 50.0µm MM (Black)	PC 50.0µm 10GIG MM (Aqua)
SC	900µm**	CS010247	CS010245	CS010249	CS010251	CS010253
	2mm	CS004519	CS004516	CS007794	CS007800	CS007806
	3mm	CS004518	CS004515	CS007793	CS007799	CS007805
LC	900µm	CS008237	CS010241	CS008243	CS008241	CS008239
	2mm	CS008248	CS010242	CS008254	CS008252	CS008250
FC	900µm	CS010259	—	CS010261	CS010341	CS010343
ST	900µm	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 900µm second generation