

# FUSEConnect® Splice-On Connectors

The 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® connectors utilize 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
- Connectorization in cable TV backbone networks
- Connectorization in outside plant
- Connectorization in FTTHdesk
- Connectorization in MDU FTTP cabling
- Data center installation
- Central office connector replacement

## Specifications

Parameter	Value
Fiber Type	Singlemode and Multimode
Insertion Loss (Max)	SM 0.25dB, MM 0.25dB
Insertion Loss (Typical)	SM 0.15dB, MM 0.1dB
Return Loss (Typical)	SM APC $\leq$ -65dB, UPC $\leq$ -55dB, MM $\leq$ -35dB
Polishing Type	UPC and APC
Operating Temperature	-40°C to +75°C



## Ordering Information

FUSE-SC9M50L-6	FUSEConnect, SC, MM 50/125 $\mu\text{m}$ , 900 $\mu\text{m}$ Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-LC9M50L-6	FUSEConnect, LC, MM 50/125 $\mu\text{m}$ , 900 $\mu\text{m}$ Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-ST9M50L-6	FUSEConnect, ST, MM 50/125 $\mu\text{m}$ , 900 $\mu\text{m}$ Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-SC9SMU-6	FUSEConnect, SC, SM, 900 $\mu\text{m}$ Strain Relief, UPC, Blue, Pack of 6
FUSE-SC9SMA-6	FUSEConnect, SC, SM, 900 $\mu\text{m}$ Strain Relief, APC, Green, Pack of 6
FUSE-LC9SMU-6	FUSEConnect, LC, SM, 900 $\mu\text{m}$ Strain Relief, UPC, Blue, Pack of 6
FUSE-LC9SMA-6	FUSEConnect, LC, SM, 900 $\mu\text{m}$ Strain Relief, APC, Green, Pack of 6
FUSE-ST9SMU-6	FUSEConnect, ST, SM, 900 $\mu\text{m}$ Strain Relief, UPC, Blue, Pack of 6
FUSE-SC3M50L-6	FUSEConnect, SC, MM 50/125 $\mu\text{m}$ , 3mm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-LC2M50L-6	FUSEConnect, LC, MM 50/125 $\mu\text{m}$ , 2mm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-ST2M50L-6	FUSEConnect, ST, MM 50/125 $\mu\text{m}$ , 2mm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-ST3M50L-6	FUSEConnect, ST, MM 50/125 $\mu\text{m}$ , 3mm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-SC3SMU-6	FUSEConnect, SC, SM, 3mm Strain Relief, UPC, Blue, Pack of 6
FUSE-SC3SMA-6	FUSEConnect, SC, SM, 3mm Strain Relief, APC, Green, Pack of 6
FUSE-LC2SMU-6	FUSEConnect, LC, SM, 2mm Strain Relief, UPC, Blue, Pack of 6
FUSE-LC2SMA-6	FUSEConnect, LC, SM, 2mm Strain Relief, APC, Green, Pack of 6
FUSE-ST2SMU-6	FUSEConnect, ST, SM, 2mm Strain Relief, UPC, Blue, Pack of 6
FUSE-ST3SMU-6	FUSEConnect, ST, SM, 3mm Strain Relief, UPC, Blue, Pack of 6