

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 ≤-65dB, UPC ≤-55dB, MM ≤-35dB
Polishing Type	UPC and APC
Operating Temperature	-40°C to +75°C

Ordering Information

FUSE-SC9M50L-6	FUSEConnect, SC, MM 50/125 µm, 900µm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-LC9M50L-6	FUSEConnect, LC, MM 50/125 µm, 900µm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-ST9M50L-6	FUSEConnect, ST, MM 50/125 µm, 900µm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-SC9SMU-6	FUSEConnect, SC, SM, 900µm Strain Relief, UPC, Blue, Pack of 6
FUSE-SC9SMA-6	FUSEConnect, SC, SM, 900µm Strain Relief, APC, Green, Pack of 6
FUSE-LC9SMU-6	FUSEConnect, LC, SM, 900µm Strain Relief, UPC, Blue, Pack of 6
FUSE-LC9SMA-6	FUSEConnect, LC, SM, 900µm Strain Relief, APC, Green, Pack of 6
FUSE-ST9SMU-6	FUSEConnect, ST, SM, 900µm Strain Relief, UPC, Blue, Pack of 6
FUSE-SC3M50L-6	FUSEConnect, SC, MM 50/125 µm, 3mm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-LC2M50L-6	FUSEConnect, LC, MM 50/125 µm, 2mm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-ST2M50L-6	FUSEConnect, ST, MM 50/125 µm, 2mm Strain Relief, OM3/OM4 compatible, Aqua, Pack of 6
FUSE-ST3M50L-6	FUSEConnect, ST, MM 50/125 µm, 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