

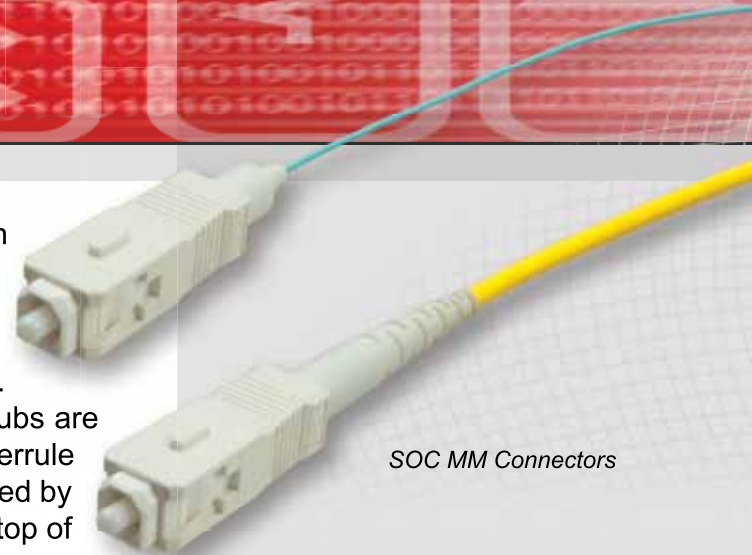
## Splice-On Connector Multimode Termination System

FITEL's new multimode (MM) connector termination system allows for unsurpassed performance and flexibility in the field. This "splice-on" connector (SOC) eliminates the need for field polishing and significantly improves the quality of the termination and installation time required. FITEL's factory polished ferrules with pre-cleaved fiber stubs are spliced onto the field fiber utilizing FITEL's proprietary ferrule holder and fusion splicer. The connector is easily assembled by using a process that requires minimal skill or training. On top of that, no index matching gel or epoxy is required. These connectors are optimal for use in data center applications.

The solution is available for both conventional 50/125, 62.5/125 MM fibers as well as Laser-Optimized OM-3 (50/125) Fiber.

### Features and Applications

- **Simple, Fast, & Consistent Field Termination** – Allows for easy field repair of pre-terminated splitters, fan outs, and drop terminals
- **No Polishing or Epoxy** – FITEL's connector termination process requires no polishing or epoxy increasing the quality and consistency of field connector termination. Total installation time is greatly reduced compared to traditional methods
- **Fiber Management** – The most difficult task for splicer operators has always been managing the fiber upon completion of splicing. The connector termination feature of the S123C, S153A and S178A Fusion Splicers eliminates the need for splice trays resulting in easier fiber management, reduced storage requirements, and faster installation times



SOC MM Connectors



S325 Cleaver



S123C Fusion Splicer



### SPECIFICATIONS

Parameter	Description
Type SC	PC (Conventional 50/125 and 62.5/125, as well as OM-3 50/125 MM fibers)
Insertion Loss	Typical 0.3 dB
Nominal Fiber OD	125 μm
Nominal Fiber Coating or Fan-Out Tubing OD	900 μm
Materials	Ferrule: Composite or ceramic
Housing	Composite
Reflectance	-55 dB (+18° to +26°C)
Jacket Type	900 μm, 2 mm, 3 mm

### SOC FIBER HOLDER INFO

For FITEL Fusion Splicers S178, S153, S123C/M

Description	Connector Type	Part #
Ferrule Holder	2 and 3 mm FC, SC	S712C-SGS5-L
	2 and 3 mm LC	S712C-SGL5-L
Cordage Hoder 2 mm, 3 mm	900 μm FC, SC, LC	S712C-FITSOC
	FC, SC, LC	S712C-SGC5-R

## ORDERING INFORMATION

Part Number	Description
FIT-FC50SOC	MMF FC/UPC 900um (50/125)
FIT-FC62SOC	MMF FC/UPC 900um (62.5/125)
FIT-FCOM3SOC	MMF FC/UPC 900um (OM3, Laser Optimized)
FIT-LC50SOC	MMF LC/UPC 900um (50/125)
FIT-LC62SOC	MMF LC/UPC 900um (62.5/125)
FIT-LCOM3SOC	MMF LC/UPC 900um (OM3, Laser Optimized)
FIT-SC50SOC	MMF SC/UPC 900um (50/125)
FIT-SC62SOC	MMF SC/UPC 900um (62.5/125)
FIT-SCOM3SOC	MMF SC/UPC 900um (OM3, Laser Optimized)
FIT-ST50SOC	MMF ST/UPC 900um (50/125)
FIT-ST62SOC	MMF ST/UPC 900um (62.5/125)
FIT-STOM3SOC	MMF ST/UPC 900um (OM3, Laser Optimized)
SLCS-P2M1EB	MMF LC/UPC 2mm (50/125)
SLCS-P2M2EB	MMF LC/UPC 2mm (62.5/125)
SLCS-P2M3EB	MMF LC/UPC 2mm (OM3, Laser Optimized)
SSCS-P2M1-EA	MMF SC/UPC 2mm (50/125)
SSCS-P2M2-EA	MMF SC/UPC 2mm (62.5/125)
SSCS-P2M3-EA	MMF SC/UPC 2mm (OM3, Laser Optimized)
SSCS-P3M1-EA	MMF SC/UPC 3mm (50/125)
SSCS-P3M2-EA	MMF SC/UPC 3mm (62.5/125)
SSCS-P3M3-EA	MMF SC/UPC 3mm (OM3, Laser Optimized)

## AVAILABLE SPLICER INFO

Type	Model
Core Alignment Machine	S178A
Active Clad Align Machine	S153A
Ribbon Splicing Machine	S123M12
Clad Alignment Machine	S123C

### Contact Us:

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<http://www.ofsoptics.com>.

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S153 Fusion Splicer



S178 Fusion Splicer



S123M12 Fusion Splicer

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