

Splice-On Connector Termination System

FITEL's new connector termination system allows for unsurpassed performance and flexibility in the field.

This new "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. These connectors are optimal for use in data center applications.

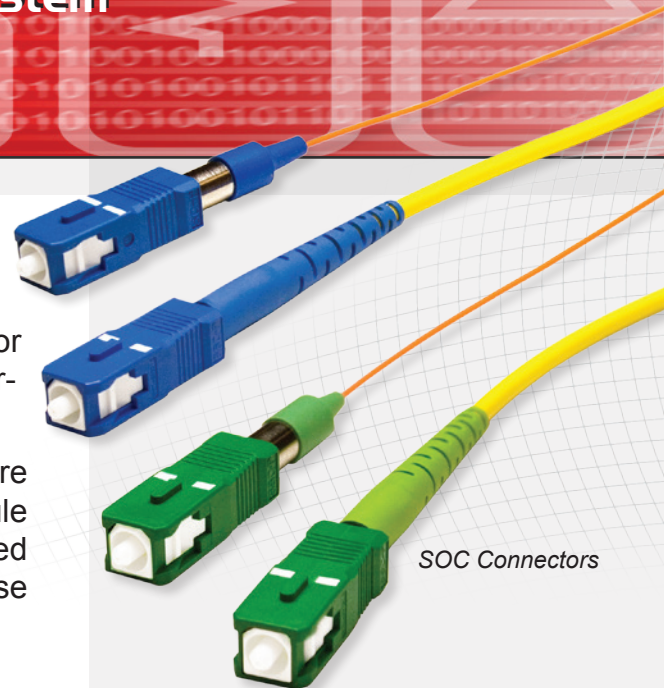
- Both single-mode and multimode versions are available

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

Specifications

Parameter	Description
Type SC, LC, FC & ST	Available in these connector types for both single-mode and multimode
Insertion Loss	Typical 0.5 dB
Nominal Fiber OD	125 μ m
Nominal Fiber Coating or Fan-Out Tubing OD	900 μ m
Materials	Ferrule: Composite or ceramic
Housing	Composite
Reflectance	-55 dB (+18° to +26°C)
Jacket Type	900 μ m, 2 mm, 3 mm



SOC Connectors



S325 Cleaver



S123C Fusion Splicer



SOC Fiber Holder Information

For FITEL Fusion Splicers S178, S153, S123C/M

<i>Description</i>	<i>Connector Type</i>	<i>Part #</i>
Ferrule Holder	900 μ m, 2 and 3 mm FC, SC	S712C-SGS5-L
	900 μ m, 2 and 3 mm LC	S712C-SGL5-L
	FIT SOC: FC, SC, LC, ST	S712C-FITSOC
Cordage Holder 2 mm, 3 mm	FC, SC, LC	S712C-SGC5-R
Fiber Holder 900 μ m	FC, SC, LC, ST	S712S-900

Single-Mode Connector Ordering Information*

Description	Part Number	Unit of Measure
SMF FC/APC 900 μ m	FIT-FCAPCSOC	Box of 6 connectors
SMF FC/UPC 900 μ m	FIT-FCUPCSOC	Box of 6 connectors
SMF LC/APC 900 μ m	FIT-LCAPCSOC	Box of 6 connectors
SMF LC/UPC 900 μ m	FIT-LCUPCSOC	Box of 6 connectors
SMF SC/APC 900 μ m	FIT-SCAPCSOC	Box of 6 connectors
SMF SC/UPC 900 μ m	FIT-SCUPCSOC	Box of 6 connectors
SMF ST/UPC 900 μ m	FIT-STUPCSOC **	Box of 6 connectors
FC/UPC Splice on connector 2 mm	SAPS-356-EUA	One Each
FC/UPC Splice on connector 3 mm	SAPS-357-EUA	One Each
FC/UPC Splice on connector 900	SAPS-358-EUA	One Each
FC/APC Splice on connector 2 mm	SAPS-386-EUA	One Each
FC/APC Splice on connector 3 mm	SAPS-387-EUA	One Each
FC/APC Splice on connector 900	SAPS-388-EUA	One Each
SC/UPC Splice on connector 900	SSCS-P1-EUA	One Each
SC/UPC Splice on connector 2 mm	SSCS-P2-EUA	One Each
SC/UPC Splice on connector 3 mm	SSCS-P3-EUA	One Each
SC/UPC Splice on connector 4.8	SSCS-P5-EUA	One Each
SC/APC Splice on connector 900	SSCS-PN1-EUA	One Each
SC/APC Splice on connector 2 mm	SSCS-PN2-EUA	One Each
SC/APC Splice on connector 3 mm	SSCS-PN3-EUA	One Each
SC/APC Splice on connector 4.8	SSCS-PN5-EUA	One Each
LC/UPC 900 μ m, Flexible Boot	SLCS-P1U	One Each
LC/UPC 900 μ m, Silicon Boot	SLCS-P1UA	One Each
LC/UPC 2 mm, Long Flexible Boot	SLCS-P2EUA	One Each
LC/APC 900 μ m Flexible Boot	SLCS-PN1U	One Each
LC/APC 900 μ m Silicon Boot	SLCS-PN1UA	One Each
LC/APC 2 mm Long Flexible Boot	SLCS-PN2EUA	One Each

* MOQ of 30 SOC's per order. Can be combined with other SOC's

** ST Splice on Connectors may require use of external heat oven FIT-SOCOVEN

Multimode Connector Ordering Information*

Description	Part Number	Unit of Measure
MMF FC/UPC 900 μ m (50/125)	FIT-FC50SOC	Box of 6 Connectors
MMF FC/UPC 900 μ m (62.5/125)	FIT-FC62SOC	Box of 6 Connectors
MMF FC/UPC 900 μ m (OM3, Laser Optimized)	FIT-FCOM3SOC	Box of 6 Connectors
MMF LC/UPC 900 μ m (50/125)	FIT-LC50SOC	Box of 6 Connectors
MMF LC/UPC 900 μ m (62.5/125)	FIT-LC62SOC	Box of 6 Connectors
MMF LC/UPC 900 μ m (OM3, Laser Optimized)	FIT-LCOM3SOC	Box of 6 Connectors
MMF LC/UPC 900 μ m (OM4, Laser Optimized)	FIT-LCOM4SOC	Box of 6 Connectors
MMF SC/UPC 900 μ m (50/125)	FIT-SC50SOC	Box of 6 Connectors
MMF SC/UPC 900 μ m (62.5/125)	FIT-SC62SOC	Box of 6 Connectors
MMF SC/UPC 900 μ m (OM3, Laser Optimized)	FIT-SCOM3SOC	Box of 6 Connectors
MMF ST/UPC 900 μ m (50/125)	FIT-ST50SOC **	Box of 6 Connectors
MMF ST/UPC 900 μ m (62.5/125)	FIT-ST62SOC **	Box of 6 Connectors
MMF ST/UPC 900 μ m (OM3, Laser Optimized)	FIT-STOM3SOC **	Box of 6 Connectors
MMF SC/UPC 900 μ m (50/125) Long Flexible Boot	SSCS-P1M1	One Each
MMF SC/UPC 900 μ m (50/125) Short Silicon Boot	SSCS-P1M1-EA	One Each
MMF SC/UPC 900 μ m (62.5/125)	SSCS-P1M2-EA	One Each
MMF SC/UPC 900 μ m (OM3, Laser Optimized)	SSCS-P1M3-EA	One Each
MMF SC/UPC 2 mm (50/125)	SSCS-P2M1-EA	One Each
MMF SC/UPC 2 mm (62.5/125)	SSCS-P2M2-EA	One Each
MMF SC/UPC 2 mm (OM3, Laser Optimized)	SSCS-P2M3-EA	One Each
MMF SC/UPC 3 mm (50/125)	SSCS-P3M1-EA	One Each
MMF SC/UPC 3 mm (62.5/125)	SSCS-P3M2-EA	One Each
MMF SC/UPC 3 mm (OM3, Laser Optimized)	SSCS-P3M3-EA	One Each
MMF LC/UPC 900 μ m (50/125) Flexible Boot	SLCS-P1M1U	One Each
MMF LC/UPC 900 μ m (50/125) Silicon Boot	SLCS-P1M1UA	One Each
MMF LC/UPC 900 μ m (62.5/125) Flexible Boot	SLCS-P1M2U	One Each
MMF LC/UPC 900 μ m (62.5/125) Silicon Boot	SLCS-P1M2UA	One Each
MMF LC/UPC 900 μ m (OM3, Laser Optimized) Flex Boot	SLCS-P1M3U	One Each
MMF LC/UPC 900 μ m (OM3, Laser Optimized) Silicon	SLCS-P1M3UA	One Each
MMF LC/UPC 2 mm (50/125) Long Flexible Boot	SLCS-P2M1EUA	One Each
MMF LC/UPC 2 mm (62.5/125) Long Flexible Boot	SLCS-P2M2EUA	One Each
MMF LC/UPC 2 mm (OM3, Laser Optimized) Long Flex Boot	SLCS-P2M3EUA	One Each

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900 μ m Construction



2 & 3 mm Construction



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A Furukawa Company

Available Splicer Information

Type	Model
Core Alignment Machine	S178A
Active Clad Align Machine	S153A
Clad Alignment Machine	S123C

Additional Accessories

Description	Part Number
External heat oven for ST FIT- SOC	FIT-SOCOVEN
Crimp Tool	CRP-01
Crimp Tool 4.8 mm	CRP-4.8
Connector Assembling Tool	S240A
Splicer Scissors/ Kevlar Shear	SS-01
Soft Carrying Case for SOC Kit	SOC CASE
Tube Splitter 4.8 mm	TUBE SPLITT
Tube Splitter 2.3 mm	TUBESP 2.3
Tube Splitter 2.8 mm	TUBESP 2.8

*S153 Fusion Splicer**S178 Fusion Splicer**S123M12 Fusion Splicer***ISO
14001**

Our company has configured the environmental management system at each of our plants worldwide, and acquired ISO 14001 certification.



eFriendly Logo Mark

This logo mark indicates that the products and services satisfy the standards of environmentally friendly products of the Furukawa Electric Group.



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