

# FuseLite® Single-Fiber Splice-On Connectors

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## Features and Benefits

**Broad operating temperature (-40° to +75°C)**  
Utility and flexibility

**Factory-polished end face**  
Consistent optical performance

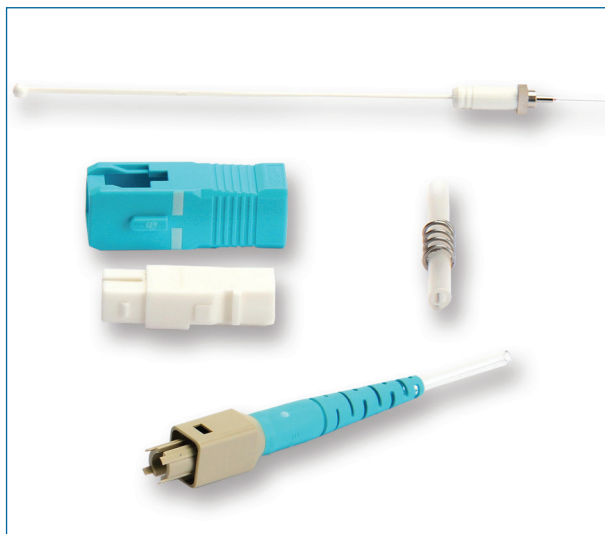
**Fusion splice connectivity**  
Ideal for reflectance-sensitive applications

**Splice protection within connector body**  
No splice trays required

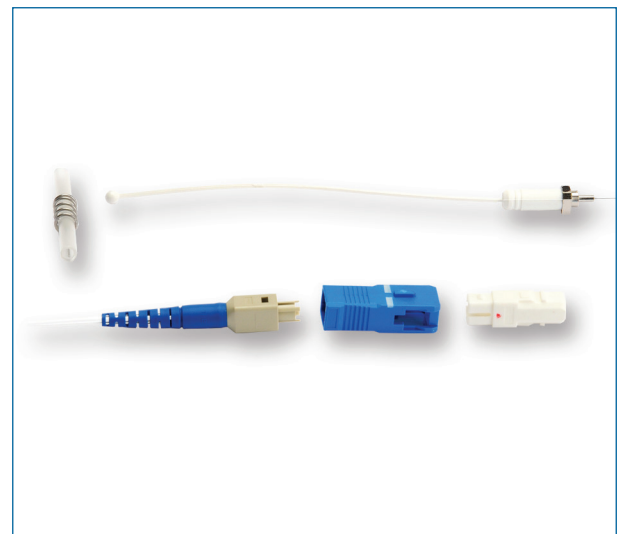
The FuseLite® Splice-On Connector enables fast, reliable fusion splicing connectivity for local area networks and offers flexibility for repairs and restoration of connectivity.

Available in SC, LC and ST® Compatible, the FuseLite® Connector provides a reliable connectivity option for applications where fusion splicing may be preferred, such as reflectance-sensitive applications. The FuseLite Connector eliminates the need for splice trays and is compatible with leading fusion splicers in the market.

In applications where fusion splicing is not required, Corning continues to recommend UniCam® High-Performance Connectors, which eliminate the need for capital investments in equipment, or ongoing consumable purchases and installer training. Hand-polished connectors and extremely compact pigtail cassettes for maximum density are also available. Visit [www.corning.com/cablesystems](http://www.corning.com/cablesystems) or contact Corning Customer Care at 1-800-743-2675 for more information.



FuseLite Single-Fiber Splice-On Connector OM4  
| Photo LAN2822



FuseLite Single-Fiber Splice-On Connector OS2  
| Photo LAN2827

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# FuseLite® Single-Fiber Splice-On Connectors

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## Specifications

Operating Temperature	-40 °C to 75 °C exceeding EIA/TIA 568-B.3
Intermateability	Connectors are FOCIS compliant with TIA/EIA 604-3 (SC) and TIA/EIA 604-2 (ST Compatible); TIA/EIA 604-10A (LC)
Qualification	Telcordia GR-326-CORE and GR-1081-CORE Compliant

Multimode						
Connector Type	Fiber	Cable Construction	Insertion Loss		Housing Color Code	Boot Color
			Typical/ Maximum (dB)	Reflectance (dB)		
SC	50 µm LOMMF	900 µm	0.10/0.25	≤ -30	Aqua	Aqua
SC	50 µm LOMMF	BT Fan-out	0.10/0.25	≤ -30	Aqua	Aqua
SC	50 µm LOMMF	2 mm Jacketed	0.10/0.25	≤ -30	Aqua	Aqua
SC	50 µm LOMMF	3 mm Jacketed	0.10/0.25	≤ -30	Aqua	Aqua
LC	50 µm LOMMF	900 µm	0.10/0.25	≤ -30	Aqua	Aqua
LC	50 µm LOMMF	BT Fan-out	0.10/0.25	≤ -30	Aqua	Aqua
LC	50 µm LOMMF	2 mm Jacketed	0.10/0.25	≤ -30	Aqua	Aqua
LC	50 µm LOMMF	3 mm Jacketed	0.10/0.25	≤ -30	Aqua	Aqua
ST	50 µm LOMMF	900 µm	0.10/0.25	≤ -30	Aqua	Aqua
ST	50 µm LOMMF	BT Fan-out	0.10/0.25	≤ -30	Aqua	Aqua
ST	50 µm LOMMF	2 mm Jacketed	0.10/0.25	≤ -30	Aqua	Aqua
ST	50 µm LOMMF	3 mm Jacketed	0.10/0.25	≤ -30	Aqua	Aqua

# FuseLite® Single-Fiber Splice-On Connectors



## Specifications | (continued)

Single-mode						
Connector Type	Polish	Cable Construction	Insertion Loss		Housing Color Code	Boot Color
			Typical/ Maximum (dB)	Reflectance (dB)		
SC	UPC	900 µm	0.15/0.30	≤ -55	Blue	White
SC	APC	900 µm	0.15/0.30	≤ -65	Green	Green
SC	UPC	BT Fan-out	0.15/0.30	≤ -55	Blue	White
SC	APC	BT Fan-out	0.15/0.30	≤ -65	Green	Green
SC	UPC	2 mm Jacketed	0.15/0.30	≤ -55	Blue	White
SC	APC	2 mm Jacketed	0.15/0.30	≤ -65	Green	Green
SC	UPC	3 mm Jacketed	0.15/0.30	≤ -55	Blue	White
SC	APC	3 mm Jacketed	0.15/0.30	≤ -65	Green	Green
LC	UPC	900 µm	0.15/0.30	≤ -55	Blue	White
LC	APC	900 µm	0.15/0.30	≤ -65	Green	Green
LC	UPC	BT Fan-out	0.15/0.30	≤ -55	Blue	White
LC	APC	BT Fan-out	0.15/0.30	≤ -65	Green	Green
LC	UPC	2 mm Jacketed	0.15/0.30	≤ -55	Blue	White
LC	APC	2 mm Jacketed	0.15/0.30	≤ -65	Green	Green
LC	UPC	3 mm Jacketed	0.15/0.30	≤ -55	Blue	White
LC	APC	3 mm Jacketed	0.15/0.30	≤ -65	Green	Green
ST	UPC	900 µm	0.15/0.30	≤ -55	Blue	White
ST	UPC	BT Fan-out	0.15/0.30	≤ -55	Blue	White
ST	UPC	2 mm Jacketed	0.15/0.30	≤ -55	Blue	White
ST	UPC	3 mm Jacketed	0.15/0.30	≤ -55	Blue	White

# FuseLite® Single-Fiber Splice-On Connectors

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## Ordering Information |

Part Number	Description
<b>SC Connectors</b>	
SOC-SC-900-OM1	FuseLite® Connector, SC, 900 µm, OM1, beige
SOC-SC-900-OM4	FuseLite Connector, SC, 900 µm, OM2/3/4, aqua
SOC-SCU-900-SM	FuseLite Connector, SC, UPC, 900 µm, single-mode, OS2, blue
SOC-SCA-900-SM	FuseLite Connector, SC, APC, 900 µm, single-mode, OS2, green
SOC-SC-FAN-OM1	FuseLite Connector, SC, fan-out, OM1, beige
SOC-SC-FAN-OM4	FuseLite Connector, SC, fan-out, OM2/3/4, aqua
SOC-SCU-FAN-SM	FuseLite Connector, SC, UPC, fan-out, single-mode, OS2, blue
SOC-SCA-FAN-SM	FuseLite Connector, SC, APC, fan-out, single-mode, OS2, green
SOC-SC-2MM-OM1	FuseLite Connector, SC, 2 mm, OM1, beige
SOC-SC-3MM-OM1	FuseLite Connector, SC, 3 mm, OM1, beige
SOC-SC-2MM-OM4	FuseLite Connector, SC, 2 mm, OM2/3/4, aqua
SOC-SCU-2MM-SM	FuseLite Connector, SC, UPC, 2 mm, single-mode, OS2, blue
SOC-SCA-2MM-SM	FuseLite Connector, SC, APC, 2 mm, single-mode, OS2, green
SOC-SC-3MM-OM4	FuseLite Connector, SC, 3 mm, OM2/3/4, aqua
SOC-SCU-3MM-SM	FuseLite Connector, SC, UPC, 3 mm, single-mode, OS2, blue
SOC-SCA-3MM-SM	FuseLite Connector, SC, APC, 3 mm, single-mode, OS2, green
<b>LC Connectors</b>	
SOC-LC-900-OM1	FuseLite Connector, LC, 900 µm, OM1, beige
SOC-LC-900-OM4	FuseLite Connector, LC, 900 µm, OM2/3/4, aqua
SOC-LCU-900-SM	FuseLite Connector, LC, UPC, 900 µm, single-mode, OS2, blue
SOC-LCA-900-SM	FuseLite Connector, LC, APC, 900 µm, single-mode, OS2, green
SOC-LC-FAN-OM1	FuseLite Connector, LC, fan-out, OM1, beige
SOC-LC-FAN-OM4	FuseLite Connector, LC, fan-out, OM2/3/4, aqua
SOC-LCU-FAN-SM	FuseLite Connector, LC, UPC, fan-out, single-mode, OS2, blue
SOC-LCA-FAN-SM	FuseLite Connector, LC, APC, fan-out, single-mode, OS2, green
SOC-LC-2MM-OM1	FuseLite Connector, LC, 2 mm, OM1, beige
SOC-LC-3MM-OM1	FuseLite Connector, LC, 3 mm, OM1, beige
SOC-LC-2MM-OM4	FuseLite Connector, LC, 2 mm, OM2/3/4, aqua
SOC-LCU-2MM-SM	FuseLite Connector, LC, UPC, 2 mm, single-mode, OS2, blue
SOC-LCA-2MM-SM	FuseLite Connector, LC, APC, 2 mm, single-mode, OS2, green
SOC-LC-3MM-OM4	FuseLite Connector, LC, 3 mm, OM2/3/4, aqua
SOC-LCU-3MM-SM	FuseLite Connector, LC, UPC, 3 mm, single-mode, OS2, blue
SOC-LCA-3MM-SM	FuseLite Connector, LC, APC, 3 mm, single-mode, OS2, green

# FuseLite® Single-Fiber Splice-On Connectors

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## Ordering Information | (continued)

Part Number	Description
<b>ST® Compatible Connectors</b>	
SOC-ST-900-OM1	Fuselite® Connector, ST Compatible, 900 µm, OM1, beige
SOC-ST-900-SM	FuseLite Connector, ST Compatible, UPC, 900 µm, single-mode, OS2, blue
SOC-ST-FAN-OM1	FuseLite Connector, ST Compatible, fan-out, OM1, beige
SOC-ST-FAN-OM4	FuseLite Connector, ST Compatible, fan-out, OM2/3/4, aqua
SOC-STU-FAN-SM	FuseLite Connector, ST Compatible, UPC, fan-out, single-mode, OS2, blue
SOC-ST-2MM-OM4	FuseLite Connector, ST Compatible, 2 mm, OM2/3/4, aqua
SOC-ST-2MM-SM	FuseLite Connector, ST Compatible, UPC, 2 mm, single-mode, OS2, blue
SOC-ST-3MM-OM4	FuseLite Connector, ST Compatible, 3 mm, OM2/3/4, aqua
SOC-ST-3MM-SM	FuseLite Connector, ST Compatible, UPC, 3 mm, single-mode, OS2, blue
<b>Tool Kits and Accessories</b>	
SOC-HLD-CON-SCLC	FuseLite Connector Holder, SC and LC, single-fiber, Corning OptiSplice® One/Ribbon fusion splicers
SOC-HLD-CON-ST	FuseLite Connector Holder, ST Compatible, single-fiber, Corning OptiSplice One/Ribbon fusion splicers
SOC-HLD-900-OS	FuseLite Connector Holder, 900 µm, Corning OptiSplice One/Ribbon fusion splicers
SOC-HLD-JKT-S-A	FuseLite Connector Fiber Holder, 2 mm/3 mm, Sumitomo or AFL fusion splicers
SOC-HLD-FAN-S-A	FuseLite Connector Fiber Holder, fan-out, Sumitomo or AFL fusion splicers
SOC-HLD-CON-S-A	FuseLite Connector Fiber Holder, single-fiber, Sumitomo or AFL fusion splicers
SOC-KIT-F-O	FuseLite Connector Cleaver Kit, OFS/Fitel fusion splicers
SOC-TOOL-ST	FuseLite Connector ST Compatible Installation Tool
SOC-TOOL-JCKT	FuseLite Connector Jacketed Cable Installation Tool

# FuseLite® Single-Fiber Splice-On Connectors



## Ordering Information | (continued)

Part Number		
Splicer Compatibility		
Compatible Splicers	Connector Holder Required	Fiber Holder Required
Corning Cable Systems Splicers (OptiSplice® Ribbon, OptiSplice One)	SOC-HLD-CON-SCLC SOC-HLD-CON-ST	SOC-HLD-900-OS
Sumitomo Electric Splicers (T-Q101-CA, T-66, T-39FH, T-46, T-25eS, T-25eM, T-25S, T-25U (QMS-02), T-25M, T-65)	SOC-HLD-CON-S-A	SOC-HLD-FAN-S-A SOC-HLD-JKT-S-A
AFL Splicers (FSM11R, FSM11S, FSM17R, FSM18S, FSM18R, FSM50R, FSM60R, FSM60S)	SOC-HLD-CON-S-A	SOC-HLD-FAN-S-A SOC-HLD-JKT-S-A
FITEL Splicer (S1224)	SOC-KIT-FITEL (includes connector and fiber holders and cleaver kit)	

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