

FuseLite® 2 Splice-on Connector

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The FuseLite® 2 Splice-On Connector enables fast, reliable fusion splicing connectivity for all networks and offers flexibility for repairs and restoration of connectivity. Available in SC, LC and ST® compatible, the FuseLite2 Connector provides a reliable connectivity option for applications where fusion splicing may be preferred, such as reflectance-sensitive applications. The FuseLite2 Connector eliminates the need for splice trays and is compatible with leading fusion splicers in the market.

Visit www.corning.com or contact Corning Customer Service at 1-800-743-2675 for more information.

Features and Benefits

Broad operating temperature range (-40°C 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



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Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Specifications

General Specifications

Keyed (security)	No
Product Type	Field-Installable Connectors
Technology	Fuse-On

Environmental Conditions

Temperature Range, Operation	-40 °C - 75 °C (-40 °F - 167 °F)
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Design Connector

Part Number	Connector Type	Housing Material	Housing Color
FL2-LC-2MM-OM1-25	LC	Composite	Beige
FL2-LC-2MM-OM1-25-TAA	LC	Composite	Beige
FL2-LC-2MM-OM1-6	LC	Composite	Beige
FL2-LC-2MM-OM4-25	LC	Composite	Aqua
FL2-LC-2MM-OM4-25-TAA	LC	Composite	Aqua
FL2-LC-2MM-OM4-6	LC	Composite	Aqua
FL2-LC-900-OM1-25	LC	Composite	Beige
FL2-LC-900-OM1-25-TAA	LC	Composite	Beige
FL2-LC-900-OM1-6	LC	Composite	Beige
FL2-LC-900-OM4-25	LC	Composite	Aqua
FL2-LC-900-OM4-25-TAA	LC	Composite	Aqua
FL2-LC-900-OM4-6	LC	Composite	Aqua
FL2-LCA-2MM-SM-25	LC APC	Composite	Green

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Design Connector			
Part Number	Connector Type	Housing Material	Housing Color
FL2-LCA-2MM-SM-25-TAA	LC APC	Composite	Green
FL2-LCA-2MM-SM-6	LC APC	Composite	Green
FL2-LCA-900-SM-25	LC APC	Composite	Green
FL2-LCA-900-SM-25-TAA	LC APC	Composite	Green
FL2-LCA-900-SM-6	LC APC	Composite	Green
FL2-LCU-2MM-SM-25	LC UPC	Composite	Blue
FL2-LCU-2MM-SM-25-TAA	LC UPC	Composite	Blue
FL2-LCU-2MM-SM-6	LC UPC	Composite	Blue
FL2-LCU-900-SM-25	LC UPC	Composite	Blue
FL2-LCU-900-SM-25-TAA	LC UPC	Composite	Blue
FL2-LCU-900-SM-6	LC UPC	Composite	Blue
FL2-SC-2-3MM-OM1-25	SC	Composite	Beige
FL2-SC-2-3MM-OM1-25-TAA	SC	Composite	Beige
FL2-SC-2-3MM-OM1-6	SC	Composite	Beige
FL2-SC-2-3MM-OM4-25	SC	Composite	Aqua
FL2-SC-2-3MM-OM4-25-TAA	SC	Composite	Aqua
FL2-SC-2-3MM-OM4-6	SC	Composite	Aqua
FL2-SC-900-OM1-25	SC	Composite	Beige
FL2-SC-900-OM1-25-TAA	SC	Composite	Beige
FL2-SC-900-OM1-6	SC	Composite	Beige
FL2-SC-900-OM4-25	SC	Composite	Aqua
FL2-SC-900-OM4-25-TAA	SC	Composite	Aqua
FL2-SC-900-OM4-6	SC	Composite	Aqua
FL2-SCA-2-3MM-SM-25	SC APC	Composite	Green
FL2-SCA-2-3MM-SM-25-TAA	SC APC	Composite	Green
FL2-SCA-2-3MM-SM-6	SC APC	Composite	Green
FL2-SCA-900-SM-25	SC APC	Composite	Green
FL2-SCA-900-SM-25-TAA	SC APC	Composite	Green

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Design Connector

Part Number	Connector Type	Housing Material	Housing Color
FL2-SCA-900-SM-6	SC APC	Composite	Green
FL2-SCU-2-3MM-SM-25	SC UPC	Composite	Blue
FL2-SCU-2-3MM-SM-25-TAA	SC UPC	Composite	Blue
FL2-SCU-2-3MM-SM-6	SC UPC	Composite	Blue
FL2-SCU-900-SM-25	SC UPC	Composite	Blue
FL2-SCU-900-SM-25-TAA	SC UPC	Composite	Blue
FL2-SCU-900-SM-6	SC UPC	Composite	Blue

Optical Specifications Connector

Part Number	Fiber Category	Insertion Loss, Typical	Insertion Loss, Max.	Reflectance
FL2-LC-2MM-OM4-25	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-2MM-OM4-25-TAA	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-2MM-OM4-6	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-900-OM4-25	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-900-OM4-25-TAA	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-900-OM4-6	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-2-3MM-OM4-25	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-2-3MM-OM4-25-TAA	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-2-3MM-OM4-6	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-900-OM4-25	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-900-OM4-25-TAA	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-900-OM4-6	50 µm MM (OM4)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-2MM-OM1-25	62.5 µm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-2MM-OM1-25-TAA	62.5 µm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-2MM-OM1-6	62.5 µm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-900-OM1-25	62.5 µm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-LC-900-OM1-25-TAA	62.5 µm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db

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Optical Specifications Connector

Part Number	Fiber Category	Insertion Loss, Typical	Insertion Loss, Max.	Reflectance
FL2-LC-900-OM1-6	62.5 μm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-2-3MM-OM1-25	62.5 μm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-2-3MM-OM1-25-TAA	62.5 μm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-2-3MM-OM1-6	62.5 μm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-900-OM1-25	62.5 μm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-900-OM1-25-TAA	62.5 μm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-SC-900-OM1-6	62.5 μm MM (OM1)	0.2 dB	0.3 dB	≤ -30 db
FL2-LCA-2MM-SM-25	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-LCA-2MM-SM-25-TAA	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-LCA-2MM-SM-6	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-LCA-900-SM-25	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-LCA-900-SM-25-TAA	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-LCA-900-SM-6	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-LCU-2MM-SM-25	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-LCU-2MM-SM-25-TAA	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-LCU-2MM-SM-6	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-LCU-900-SM-25	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-LCU-900-SM-25-TAA	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-LCU-900-SM-6	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-SCA-2-3MM-SM-25	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-SCA-2-3MM-SM-25-TAA	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-SCA-2-3MM-SM-6	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-SCA-900-SM-25	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-SCA-900-SM-25-TAA	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-SCA-900-SM-6	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -60 db
FL2-SCU-2-3MM-SM-25	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-SCU-2-3MM-SM-25-TAA	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-SCU-2-3MM-SM-6	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB

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Optical Specifications Connector

Part Number	Fiber Category	Insertion Loss, Typical	Insertion Loss, Max.	Reflectance
FL2-SCU-900-SM-25	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-SCU-900-SM-25-TAA	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB
FL2-SCU-900-SM-6	Single-mode (OS2)	0.2 dB	0.3 dB	≤ -50 dB

Ordering Information

Part Number	Units per Delivery	Package Contents	Packaging
FL2-LC-2MM-OM1-25	25/1	FuseLite® 2 Splice-on Connector, LC, 2 mm, multimode (OM1)	Bulk Pack
FL2-LC-2MM-OM1-25-TAA	25/1	FuseLite® 2 Splice-on Connector, LC, 2 mm, multimode (OM1), TAA	Bulk Pack
FL2-LC-2MM-OM4-25	25/1	FuseLite® 2 Splice-on Connector, LC, 2 mm, multimode (OM4)	Bulk Pack
FL2-LC-2MM-OM4-25-TAA	25/1	FuseLite® 2 Splice-on Connector, LC, 2 mm, multimode (OM4), TAA	Bulk Pack
FL2-LC-900-OM1-25	25/1	FuseLite® 2 Splice-on Connector, LC, 900 μm, multimode (OM1)	Bulk Pack
FL2-LC-900-OM1-25-TAA	25/1	FuseLite® 2 Splice-on Connector, LC, 900 μm, multimode (OM1), TAA	Bulk Pack
FL2-LC-900-OM4-25	25/1	FuseLite® 2 Splice-on Connector, LC, 900 μm, multimode (OM4)	Bulk Pack
FL2-LC-900-OM4-25-TAA	25/1	FuseLite® 2 Splice-on Connector, LC, 900 μm, multimode (OM4), TAA	Bulk Pack
FL2-LCA-2MM-SM-25	25/1	FuseLite® 2 Splice-on Connector, LC APC, 2 mm, Single-mode (OS2)	Bulk Pack
FL2-LCA-2MM-SM-25-TAA	25/1	FuseLite® 2 Splice-on Connector, LC APC, 2 mm, Single-mode (OS2), TAA	Bulk Pack
FL2-LCA-900-SM-25	25/1	FuseLite® 2 Splice-on Connector, LC APC, 900 μm, Single-mode (OS2)	Bulk Pack
FL2-LCA-900-SM-25-TAA	25/1	FuseLite® 2 Splice-on Connector, LC APC, 900 μm, Single-mode (OS2), TAA	Bulk Pack
FL2-LCU-2MM-SM-25	25/1	FuseLite® 2 Splice-on Connector, LC UPC, 2 mm, Single-mode (OS2)	Bulk Pack

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Part Number	Units per Delivery	Package Contents	Packaging
FL2-LCU-2MM-SM-25-TAA	25/1	FuseLite® 2 Splice-on Connector, LC UPC, 2 mm, Single-mode (OS2), TAA	Bulk Pack
FL2-LCU-900-SM-25	25/1	FuseLite® 2 Splice-on Connector, LC UPC, 900 µm, Single-mode (OS2)	Bulk Pack
FL2-LCU-900-SM-25-TAA	25/1	FuseLite® 2 Splice-on Connector, LC UPC, 900 µm, Single-mode (OS2), TAA	Bulk Pack
FL2-SC-2-3MM-OM1-25	25/1	FuseLite® 2 Splice-on Connector, SC, 2-3 mm, multimode (OM1)	Bulk Pack
FL2-SC-2-3MM-OM1-25-TAA	25/1	FuseLite® 2 Splice-on Connector, SC, 2-3 mm, multimode (OM1), TAA	Bulk Pack
FL2-SC-2-3MM-OM4-25	25/1	FuseLite® 2 Splice-on Connector, SC, 2-3 mm, multimode (OM4)	Bulk Pack
FL2-SC-2-3MM-OM4-25-TAA	25/1	FuseLite® 2 Splice-on Connector, SC, 2-3 mm, multimode (OM4), TAA	Bulk Pack
FL2-SC-900-OM1-25	25/1	FuseLite® 2 Splice-on Connector, SC, 900 µm, multimode (OM1)	Bulk Pack
FL2-SC-900-OM1-25-TAA	25/1	FuseLite® 2 Splice-on Connector, SC, 900 µm, multimode (OM1), TAA	Bulk Pack
FL2-SC-900-OM4-25	25/1	FuseLite® 2 Splice-on Connector, SC, 900 µm, multimode (OM4)	Bulk Pack
FL2-SC-900-OM4-25-TAA	25/1	FuseLite® 2 Splice-on Connector, SC, 900 µm, multimode (OM4), TAA	Bulk Pack
FL2-SCA-2-3MM-SM-25	25/1	FuseLite® 2 Splice-on Connector, SC APC, 2-3 mm, Single-mode (OS2)	Bulk Pack
FL2-SCA-2-3MM-SM-25-TAA	25/1	FuseLite® 2 Splice-on Connector, SC APC, 2-3 mm, Single-mode (OS2), TAA	Bulk Pack
FL2-SCA-900-SM-25	25/1	FuseLite® 2 Splice-on Connector, SC APC, 900 µm, Single-mode (OS2)	Bulk Pack
FL2-SCA-900-SM-25-TAA	25/1	FuseLite® 2 Splice-on Connector, SC APC, 900 µm, Single-mode (OS2), TAA	Bulk Pack
FL2-SCU-2-3MM-SM-25	25/1	FuseLite® 2 Splice-on Connector, SC UPC, 2-3 mm, Single-mode (OS2)	Bulk Pack
FL2-SCU-2-3MM-SM-25-TAA	25/1	FuseLite® 2 Splice-on Connector, SC UPC, 2-3 mm, Single-mode (OS2), TAA	Bulk Pack
FL2-SCU-900-SM-25	25/1	FuseLite® 2 Splice-on Connector, SC UPC, 900 µm, Single-mode (OS2)	Bulk Pack

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Part Number	Units per Delivery	Package Contents	Packaging
FL2-SCU-900-SM-25-TAA	25/1	FuseLite® 2 Splice-on Connector, SC UPC, 900 µm, Single-mode (OS2), TAA	Bulk Pack
FL2-LC-2MM-OM1-6	6/1	FuseLite® 2 Splice-on Connector, LC, 2 mm, multimode (OM1)	Bulk Pack
FL2-LC-2MM-OM4-6	6/1	FuseLite® 2 Splice-on Connector, LC, 2 mm, multimode (OM4)	Bulk Pack
FL2-LC-900-OM1-6	6/1	FuseLite® 2 Splice-on Connector, LC, 900 µm, multimode (OM1)	Bulk Pack
FL2-LC-900-OM4-6	6/1	FuseLite® 2 Splice-on Connector, LC, 900 µm, multimode (OM4)	Bulk Pack
FL2-LCA-2MM-SM-6	6/1	FuseLite® 2 Splice-on Connector, LC APC, 2 mm, Single-mode (OS2)	Bulk Pack
FL2-LCA-900-SM-6	6/1	FuseLite® 2 Splice-on Connector, LC APC, 900 µm, Single-mode (OS2)	Bulk Pack
FL2-LCU-2MM-SM-6	6/1	FuseLite® 2 Splice-on Connector, LC UPC, 2 mm, Single-mode (OS2)	Bulk Pack
FL2-LCU-900-SM-6	6/1	FuseLite® 2 Splice-on Connector, LC UPC, 900 µm, Single-mode (OS2)	Bulk Pack
FL2-SC-2-3MM-OM1-6	6/1	FuseLite® 2 Splice-on Connector, SC, 2-3 mm, multimode (OM1)	Bulk Pack
FL2-SC-2-3MM-OM4-6	6/1	FuseLite® 2 Splice-on Connector, SC, 2-3 mm, multimode (OM4)	Bulk Pack
FL2-SC-900-OM1-6	6/1	FuseLite® 2 Splice-on Connector, SC, 900 µm, multimode (OM1)	Bulk Pack
FL2-SC-900-OM4-6	6/1	FuseLite® 2 Splice-on Connector, SC, 900 µm, multimode (OM4)	Bulk Pack
FL2-SCA-2-3MM-SM-6	6/1	FuseLite® 2 Splice-on Connector, SC APC, 2-3 mm, Single-mode (OS2)	Bulk Pack
FL2-SCA-900-SM-6	6/1	FuseLite® 2 Splice-on Connector, SC APC, 900 µm, Single-mode (OS2)	Bulk Pack
FL2-SCU-2-3MM-SM-6	6/1	FuseLite® 2 Splice-on Connector, SC UPC, 2-3 mm, Single-mode (OS2)	Bulk Pack
FL2-SCU-900-SM-6	6/1	FuseLite® 2 Splice-on Connector, SC UPC, 900 µm, Single-mode (OS2)	Bulk Pack

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The CORNING logo is a dark blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

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