



FiberExpress (FX) Fusion is a new line of fiber splice-on connectors that expands your possibilities with field-termination and provides superior performance over mechanical splice options. Both LC and SC connectors are available in multimode and singlemode fiber grades. See the reverse side for ordering information.

Why should I use splice-on connectors?

FX Fusion splice-on connectors combine the benefits of fusion splicing with the simplicity of a field-installable connector. When compared to mechanical field terminated connectors, splice-on technology provides superior performance that is essential to high speed transmission and supports 25G, 40G, and 100G applications. With FX Fusion, you get a premium solution without the premium price!



Why are splice-on connectors better than mechanical splice connectors?

Splice-on connectors use automated fusion splicers that precisely align fibers and weld the fiber ends together. This technology greatly reduces optical losses that occur from fiber misalignment and eliminates gaps between the fiber ends. All of this leads to improved insertion loss and return loss performance.



I have already invested in a fusion splicer. Will FX Fusion connectors work with my splicer?

By using Belden's custom designed ferrule holders, FX Fusion connectors will work with almost all fusion splicers on the market today. To find the right holder for your splicer, visit www.belden.com/splice-on or talk to your sales representative.

How can FX Fusion make my installation easier?

Because the fiber splice is protected inside of the robust connector housing, FX Fusion connectors eliminates the need for excess cable slack and allows exact length channels to be ran. No more cable shorts or working with excess cable! Splice-on connectors also require fewer splice management accessories such as splice trays, thus speeding up your deployment and reducing costs.



Can FX Fusion connectors be used for indoor and outdoor applications?

Yes, the same connector can be used in either indoor or outdoor applications. FX Fusion connectors meet TIA-568-D3 and GR-326/1081*.

*GR rating will be available in summer 2017.

Ordering Information

To use the tailored *SmartPart* configuration matrices, make a selection from each category and combine to form a custom part number. See example(s) below.

FX Fusion Multimode Connectors

Description	Belden Part Number		
	Multimode, OM1 - Beige	Multimode, OM3/OM4 - Aqua	Multimode, OM4 - Erika Violet
LC with 900 µm Boot, 1/Pack	FT1LC900FS01	FT3LC900FS01	FT4LC900FS01
SC with 900 µm Boot, 1/Pack	FT1SC900FS01	FT3SC900FS01	FT4SC900FS01

FX Fusion Singlemode Connectors

Description	Belden Part Number	
	Singlemode, OS2 - Blue	Singlemode, OS2/APC - Green
LC with 900 µm Boot, 1/Pack	FTSLC900FS01	FTSLB900FS01
SC with 900 µm Boot, 1/Pack	FTSSC900FS01	FTSSB900FS01

Tailored FX Fusion Field Termination

Part number example from configuration shown below:

FT3LC900FS01

FT	3		LC		900		F		S01	
Field Termination	Fiber Type		Connector		Cable Type		Family		Packaging	
	1	OM1	LC	LC Simplex	900	Tight Buffer	F	Splice-On	S01	Single Pack
	3	OM3	LB	LC/APC Simplex	2MM**	Jacketed				
	4	OM4	SC	SC Simplex						
	S	OS2	SB	SC/APC Simplex						

**2MM will be available in spring 2017

FX Fusion Accessories

Description	Belden Part Number
Precision Tool Kit	FXFSTOPTK
Standard Tool Kit	FXFSTOSTK
Precision Cleaver	FXFSTOPCL
Standard Cleaver	FXFSTOSCL
Splice Holder Family 1	FXFSSHFM1*
Splice Holder Family 2	FXFSSHFM2
Slitter for Jacketed Fiber	FXFSTOSLT

*FXFSSHFM1 Holder compatible with Fujikura 60S, Fujikura 70S, Sumitomo Q101, among many others. Visit www.belden.com/splice-on for more details.

FiberExpress Field-Termination FX Fusion Configurator

Part number example from configuration shown below:

FXFSTOSTK

FX	FS		TO		STK	
FiberExpress	Product Family		Product Type		Other Information	
	FS	FX Fusion	TO	Tools	SPL	Splicer Kit
			SH	Splice Holder	PTK	Precision Tool Kit
					PCL	Precision Cleaver
					SLT	Slitter for Jacketed Fiber
					STK	Standard Tool Kit
					SCL	Standard Cleaver
					FM1	Splice Holder Family 1
					FM2	Splice Holder Family 2

To learn more call us at **1.800.BELDEN.1** or visit www.belden.com/splice-on

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