



Belden's FiberExpress (FX) Fusion connectors enable splice-on technology. They combine the benefits of fusion splicing with the simplicity of a field-installable connector to expand your options for field-termination and improve installation performance and reliability over mechanical splice connectors. No crimping, polishing, or adhesives are required for termination, minimizing installation errors.



BENEFITS

- **Fewer Splice Management Accessories Required**
Eliminates need for splice enclosures and splice trays
- **Flexible Installations**
Run exact length channels to eliminate cable shorts and excess slack
- **Reliable Terminations**
Automated splicing tools consistently provide the highest quality termination
- **Superior Technology and Affordable Quality**
A premium solution without the premium price



FEATURES

- **Fiber Ferrule is Ready for Termination**
Factory pre-cleaved and pre-cleaned fiber stub
- **Better Insertion Loss and Return Loss Performance over Mechanical Splice Connectors**
Superior performance critical to support high-bandwidth/high-speed transmission to applications (25G, 40G and 100G)
- **Robust Connector for Indoor and Outdoor Applications**
Meets TIA-568-D3 and GR-326/1081*
- **Compatible Splicer Accessories**
FX Fusion holders are compatible with industry leading fusion splicers



*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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