



Belden's FiberExpress (FX) Fusion Splice-On connectors 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.

FX Fusion Splice-On Connectors



BENEFITS

- Futureproofing to ensure networks and AV applications with high bandwidth and high-speed transmission
- Reduced hardware costs versus traditional pigtails
- Improved first pass yields
- Robust, reliable installation for indoor and outdoor environments
- Eliminates cable shorts and excess slack



FEATURES

- Fusion technology that delivers better insertion and return loss performance versus mechanical splice connectors
- Internally protected splice eliminates need for splice enclosures and splice trays
- Highly automated splicing tools
- Compatible splicer accessories
- Solutions for OM1, OM3, OM4, OS2 and OS2 APC meet ANSI/TIA-568-D3 and GR-326/1081 standards



FX Fusion Splicer



BENEFITS

- Delivers affordable, high-quality performance
- Provides consistent and reliable terminations
- Eliminates splicer errors due to dust and other contaminants for perfect cladding alignment



FEATURES

- Active cladding alignment
- Single fiber splicing
- Lightweight (only 2.5 lbs)
- Large, user-friendly display
- 200 splice cycles per battery charge
- Supports splice-on connectors and pigtail splicing



Ordering Information

FX Fusion Multimode Connectors

Description	Belden Part Number		
	Multimode, OM1 - Beige	Multimode, OM3/OM4 - Aqua	Multimode, OM4 - Erika Violet
LC with 900/250 µm Boot, 1/Pack	FT1LC900FS01	FT3LC900FS01	FT4LC900FS01
SC with 900/250 µm Boot, 1/Pack	FT1SC900FS01	FT3SC900FS01	FT4SC900FS01
LC with 2 mm Boot, 1/Pack	FT1LC2MMFS01	FT3LC2MMFS01	FT4LC2MMFS01
SC with 2 mm Boot, 1/Pack	FT1SC2MMFS01	FT3SC2MMFS01	FT4SC2MMFS01

FX Fusion connectors with 900/250 µm boot are not compatible for termination on breakout kits.

FX Fusion Singlemode Connectors

Description	Belden Part Number	
	Singlemode, OS2 - Blue	Singlemode, OS2/APC - Green
LC with 900/250 µm Boot, 1/Pack	FTSLC900FS01	FTSLB900FS01
SC with 900/250 µm Boot, 1/Pack	FTSSC900FS01	FTSSB900FS01
LC with 2 mm Boot, 1/Pack	FTSLC2MMFS01	FTSLB2MMFS01
SC with 2 mm Boot, 1/Pack	FTSSC2MMFS01	FTSSB2MMFS01

FX Fusion connectors with 900/250 µm boot are not compatible for termination on breakout kits.

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.

Tailored FX Fusion Connectors

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						

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
Splice Holder Family 3	FXFSSHFM3
Slitter for Jacketed Fiber	FXFSTOSLT
Splicer Kit (includes splicer and all of the parts listed to the right)	FXFSTOSPL

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

FX Fusion Splicer Kit Replacement Parts

Description	Belden Part Number
AC Adapter/Charger	FXFSTOSAC
Shoulder Strap	FXFSTOSSS
Cleaning Brushes	FXFSTOSCB
Fiber Holders/Clamps	FXFSTOSFC
Spare Electrode	FXFSTOSSE
Cooling Tray	FXFSTOSCT
Carrying Case	FXFSTOSCC
User Guide CD	FXFSTOSCD
Keys for Lock	FXFSTOSKY
Screwdriver	FXFSTOSSD
Splice Holder	FXFSSHFM2
Yellow Tackle Box	FXFSTOSTB

To learn more call us at
+31 (0) 77 3875 414 or visit
www.belden.com/splice-on

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