



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	<b>FT1LC900FS01</b>	<b>FT3LC900FS01</b>	<b>FT4LC900FS01</b>
SC with 900/250 µm Boot, 1/Pack	<b>FT1SC900FS01</b>	<b>FT3SC900FS01</b>	<b>FT4SC900FS01</b>
LC with 2 mm Boot, 1/Pack	<b>FT1LC2MMFS01</b>	<b>FT3LC2MMFS01</b>	<b>FT4LC2MMFS01</b>
SC with 2 mm Boot, 1/Pack	<b>FT1SC2MMFS01</b>	<b>FT3SC2MMFS01</b>	<b>FT4SC2MMFS01</b>

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	<b>FTSLC900FS01</b>	<b>FTSLB900FS01</b>
SC with 900/250 µm Boot, 1/Pack	<b>FTSSC900FS01</b>	<b>FTSSB900FS01</b>
LC with 2 mm Boot, 1/Pack	<b>FTSLC2MMFS01</b>	<b>FTSLB2MMFS01</b>
SC with 2 mm Boot, 1/Pack	<b>FTSSC2MMFS01</b>	<b>FTSSB2MMFS01</b>

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	<b>FXFSTOPTK</b>
Standard Tool Kit	<b>FXFSTOSTK</b>
Precision Cleaver	<b>FXFSTOPCL</b>
Standard Cleaver	<b>FXFSTOSCL</b>
Splice Holder Family 1	<b>FXFSSHFM1*</b>
Splice Holder Family 2	<b>FXFSSHFM2</b>
Splice Holder Family 3	<b>FXFSSHFM3</b>
Slitter for Jacketed Fiber	<b>FXFSTOSLT</b>
Splicer Kit (includes splicer and all of the parts listed to the right)	<b>FXFSTOSPL</b>

\*FXFSSHFM1 Holder compatible with Fujikura 60S, Fujikura 70S, Sumitomo Q101, among many others. Visit [www.belden.com/splice-on](http://www.belden.com/splice-on) for more details.

### FX Fusion Splicer Kit Replacement Parts

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

To learn more call us at  
**1.800.BELDEN.1** or visit  
[www.belden.com/splice-on](http://www.belden.com/splice-on)

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