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

<table>
<thead>
<tr>
<th>Description</th>
<th>Belden Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC with 900/250 μm Boot, 1/Pack</td>
<td>FT1LC900FS01</td>
</tr>
<tr>
<td>SC with 900/250 μm Boot, 1/Pack</td>
<td>FT1SC900FS01</td>
</tr>
<tr>
<td>LC with 2 mm Boot, 1/Pack</td>
<td>FT1LC2MMFS01</td>
</tr>
<tr>
<td>SC with 2 mm Boot, 1/Pack</td>
<td>FT1SC2MMFS01</td>
</tr>
</tbody>
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FX Fusion connectors with 900/250 μm boot are not compatible for termination on breakout kits.

### FX Fusion Singlemode Connectors

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<td>LC with 900/250 μm Boot, 1/Pack</td>
<td>FT3LC900FS01</td>
</tr>
<tr>
<td>SC with 900/250 μm Boot, 1/Pack</td>
<td>FT3SC900FS01</td>
</tr>
<tr>
<td>LC with 2 mm Boot, 1/Pack</td>
<td>FT3LC2MMFS01</td>
</tr>
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</tr>
</tbody>
</table>

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.

### FX Fusion Accessories

#### Description | Belden Part Number
--- | ---
Precision Tool Kit | FXFSTOPTK
Standard Tool Kit | FXFSSTOPSTK
Precision Cleaver | FXFSTOPCL
Standard Cleaver | FXFSTOSCL
Splice Holder Family 1 | FXFSHFM1*
Splice Holder Family 2 | FXFSHFM2
Splice Holder Family 3 | FXFSHFM3
Slitter for Jacketed Fiber | FXFSTOSLT
Splicer Kit (includes splicer and all of the parts listed to the right) | FXFSTOSPL

*FXFSHFM1 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 | FXFSHFM2
Yellow Tackle Box | FXFSTOSTB

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