The no-epoxy, no-polish, no-crimp field-installable connectors that are brilliant in design and universal in implementation to make fiber field termination faster, easier and better.

**FASTER**
- Faster termination in as few as 5 seconds
- Faster deployment with no crimping

**EASIER**
- Easier installation with no epoxy or polishing
- Easier ordering and inventory

**BETTER**
- Better termination yield with integrated VFL
- Better efficiency with up to 5 reterminations

Our End-to-End Expertise
Your End-to-End Solution
Simple Termination in as Few as 5 Seconds

1. Prepare and Insert the Fiber
2. Close the Switch-like Activator Tab on the Connector
3. Install the Boot

FiberExpress Brilliance Connector Detail

Universal for all connector types
- LC
- SC
- SC/APC
- ST
- Duplex clips

Universal for all cables
- 250 μm loosenetube¹
- 900 μm lightbuffered
- 2 mm jacketed¹
- 3 mm jacketed¹

Universal for all applications
- Backbone, horizontal, FTTX
- Data Center and LAN
- Broadcast
- Industrial
- Defense
- Telco/MSO

Universal for all fiber types
- OM1
- OM2
- OM3
- OM4
- OS1/OS2

Universal for all applications
- Backbone, horizontal, FTTX
- Data Center and LAN
- Broadcast
- Industrial
- Defense
- Telco/MSO

Improve Termination Yield
Included in the FX Brilliance Precision Installation Kit, the Belden Support Handle with integrated Visual Fault Locator (VFL) injects visible laser light into the connector to instantly identify successful termination before testing.

Integrate with 100% Confidence
As an established global leader in mission-critical signal transmission with extensive fiber optic expertise, Belden ensures support for projects of any size or complexity with 100% production testing backed by a 100% yield guarantee² and a best in class 25-year warranty².

Eliminate Cut-Offs
Unique no-crimp installation means connectors may be re-terminated up to 5 times, even after testing, which improves efficiency and eliminates connector waste.

Reduce Training and Tooling Expense
With support for all connector, fiber and cable types, FX Brilliance Universal Connectors are ideal for the latest 10G and future 40G/100G networks. With one universal installation technique and toolkit, training and tooling expense is reduced so installers can easily handle any job.

After inserting the cleaved fiber into a connector, it’s important to maintain a slight bow in the fiber before activating the termination and securing the boot. This helps to ensure pressure for proper glass-to-glass mating.

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¹ 250 μm, 2 mm or 3 mm Boot is sold separately.
² Terms and conditions apply.
FiberExpress Brilliance Universal is the industry’s leading connector for saving time, labor and material costs.

The only connector you need.

FiberExpress Brilliance Universal connectors can be terminated with no specialized tools, but the installation kit includes the universal tools necessary to prepare the fiber and provide a stable work platform for optimal installation results.

The Support Handle facilitates connector handling and maintains the bow in the fiber prior to termination. Easily integrating the VFL and adapter cords, it accommodates varying real-world installation positions for both right and left handed installers.

The Precision Cleaver achieves superior quality cleaves, even in high volumes, exceeding TIA requirements and eliminating the need to verify every cleave with a microscope. The latest auto-rotating blade design provides worry-free operation for up to 36,000 cleaves to eliminate cleaver maintenance.

The Rugged Installation Pouch holds everything you need to successfully prepare and terminate fiber connectors. It comes fully loaded with cutting and stripping tools, safety and cleaning supplies, and even installation and troubleshooting videos and guides. The pouch’s simple design easily adapts to any installation environment—it can be shoulder strapped, belt mounted and hand held.

Available Accessories Include: Support handle, VFL, Precision Cleaver, and Fiber Preparation tools.

Stand out with Belden Training
Belden’s BICSI-accredited IBDN-749 course covers everything from the basics of fiber safety to advanced topics like test methodologies and troubleshooting with automated Optical Loss Test Sets (OLTS). The hands-on FX Brilliance Universal connector termination training allows students to master the art and feel of fiber termination from expert instructors.
## Ordering Information

### FX Brilliance Universal Connectors

<table>
<thead>
<tr>
<th>Description</th>
<th>Belden Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC with 900 μm Boot, 25 per package</td>
<td>AX105200-B25</td>
</tr>
<tr>
<td>SC with 900 μm Boot, 25 per package</td>
<td>AX105205-B25</td>
</tr>
<tr>
<td>ST with 900 μm Boot, 25 per package</td>
<td>AX105210-B25</td>
</tr>
</tbody>
</table>

Replace -B25 with -S1 for sample 1 per package.

When using OM4 fiber, choose Erika Violet Connectors rather than Aqua to avoid confusion with OM3 fiber and prevent the possibility of inadvertently connecting the two fiber types, which can cause a loss of bandwidth and increased bit errors.

### FiberExpress Optical Fiber Solutions

**Ordering Information**

Belden FX optical fiber solutions consist of a full range of cable, patch panels, patch cords, cable assemblies, connectors and work area outlets that enable fast, seamless and reliable fiber network deployment with pre-validated components that ensure interoperability for reduced troubleshooting. Request a Belden Optical Fiber Catalog at [www.belden.com](http://www.belden.com) for our complete product offering.

### FX Brilliance Installation Kit

**Description**

<table>
<thead>
<tr>
<th>Description</th>
<th>Belden Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precision Installation Kit (Basic Kit, Fiber Preparation Tools, Precision Cleaver and Visual Fault Locator)</td>
<td>AX104271</td>
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</table>

### FX Brilliance Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Belden Part Number</th>
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<tbody>
<tr>
<td>Precision Cleaver</td>
<td>AX104286</td>
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<tr>
<td>Precision Cleaver Replacement Blade (for FC-7 cleaver)</td>
<td>AX104293</td>
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<tr>
<td>Precision Cleaver Replacement Blade (for FC-7R cleaver)</td>
<td>AX104593</td>
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<tr>
<td>Support Handle with Adapters</td>
<td>AX104276</td>
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<tr>
<td>Support Handle LC Adapter</td>
<td>AX104289</td>
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<tr>
<td>Support Handle SC Adapter</td>
<td>AX104290</td>
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<tr>
<td>Support Handle ST Adapter</td>
<td>AX104291</td>
</tr>
<tr>
<td>Visual Fault Locator (VFL-250) with Adapter Cords</td>
<td>AX104283</td>
</tr>
<tr>
<td>Visual Fault Locator (VFL-125) LC-LC Adapter Cord</td>
<td>AX203567</td>
</tr>
<tr>
<td>Visual Fault Locator (VFL-125/250) LC-SC Adapter Cord (valid for ST also)</td>
<td>AX203568</td>
</tr>
<tr>
<td>Visual Fault Locator (VFL-250) SC-SC Adapter Cord (valid for ST also)</td>
<td>AX203569</td>
</tr>
<tr>
<td>Visual Fault Locator (VFL-125) LC-SC/SC Adapter Cord &amp; Support Handle SC/APC Adapter</td>
<td>AX203895</td>
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<tr>
<td>Visual Fault Locator (VFL-250) SC-SC/SC Adapter Cord &amp; Support Handle SC/APC Adapter</td>
<td>AX203930</td>
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<tr>
<td>Fiber/Cable Stripper</td>
<td>AX103151</td>
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<td>Pen Marker</td>
<td>AX104276</td>
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<tr>
<td>Refurbishing Materials (80 alcohol wipes and a black pen marker)</td>
<td>AX100951</td>
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<tr>
<td>Safety Glasses</td>
<td>AX104282</td>
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<td>Tweezers</td>
<td>AX104278</td>
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<tr>
<td>Waste Bottle</td>
<td>AX104281</td>
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**FX Brilliance Universal includes a boot for 900 µm Tight Buffered fiber. Boots for 2 mm/3 mm Jacketed fiber are sold separately.**

**Hermetically sealed contractor pack ensures connectors remain fresh and contaminate free.**

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**FiberExpress Optical Fiber Solutions**

**Ordering Information**

When using OM4 fiber, choose Erika Violet Connectors rather than Aqua to avoid confusion with OM3 fiber and prevent the possibility of inadvertently connecting the two fiber types, which can cause a loss of bandwidth and increased bit errors.