

FUSEConnect® MPO Splice-On, Field-Installable Connectors with Heat Sleeve

What is FUSEConnect MPO?

FUSEConnect MPO is a splice-on, field installable connector built for custom terminations in the field. The innovative, factory pre-polished ferrule allows for a field-termination process that eliminates the need for polishing, adhesives and crimping in the field and minimizes the potential for operator error and expensive connector scrap. FUSEConnect MPO is part of the FUSEConnect splice-on family which includes single fiber SC, LC and ST style connectors.

Is FUSEConnect MPO with heat sleeve a brand-new product design?

No. FUSEConnect MPO has been available for purchase since 2012. This product release is replacing the traditional style FUSEConnect MPO which featured a mechanical clamp splice protector with a heat sleeve splice protector giving the product a sleek, new and more user-friendly design.

What improvements to the connector are included in this redesign?

As stated above, this product update replaces the traditional mechanical clamp splice protector with a heat sleeve splice protector. This new design allows for the connector to be assembled using the on-board splicer heater eliminating the need for a separate mechanical clamp assembly tool. The connector is also designed for termination utilizing the new RT-02 ribbonizing tool, which does not require ribbonizing glue resulting in a cleaner termination process.

Where can FUSEConnect MPO be used?

FUSEConnect MPO is great for many applications including, but not limited to, connectorization in RF-overlay FTTP networks, data center installation, cable TV backbone networks, outside plant and MDU FTTP cabling. The field-installable termination process makes this connector great for connector restoration in the field if repairs to connectors on high fiber count cables are needed. These connectors also allow for easy trunk customization in the field.

What flavors of connectors are available?

The FUSEConnect MPO is available for single-mode APC in standard low and low loss versions and OM1 and OM4 multimode. Each connector pack is compatible with 3.0 mm cordage and coated ribbon fiber. A boot kit for jacketed ribbon applications is also available upon request.

What does each pack of the FUSEConnect MPO include?

Each pack of connectors comes with six of the components listed below:

- Factory pre-polished, pre-terminated and pre-cleaved ferrule unit
- Cordage tube and boot
- Spring unit
- Ribbon boot and spring unit assembly
- Heat sleeve splice protector

Additionally, every pack of six connectors comes with a heater attachment tool and a strip of optional ribbonizing tape and ribbonizing tape jig.

What tools do I need to make this product work?

AFL recommends using a Fujikura ribbon splicer and FUSEConnect MPO tool kit together to terminate our connectors. The MPO tool kit comes with a 3 mm cable clamp, marker, cable splitter tool, Kevlar shears, fiber preparation fluid, lint-free wipes, RT-02 ribbonizing tool and a blue carrying case.

What splicers is this connector compatible with?

AFL's FUSEConnect MPO connectors are compatible with the Fujikura splicer models 70R, 70R+ and 90R.

Why do I need a heater attachment tool?

A beige heater attachment tool will come every pack of FUSEConnect MPO. The purpose of this attachment is to aid in properly heating the heat sleeve when assembling the FUSEConnect MPO and protect the bare fibers and ferrule unit from direct heat and twisting while in the on-board splicer heater.

Why should I buy FUSEConnect over a competitor's product?

AFL offers a vertically integrated field termination process by offering the tools, splicer and connector needed to get the job done. This connector continues to be a leader in return loss and insertion loss when compared to our competitor products. Additionally, we offer excellent support in the field including sales, support, quality and technical questions.

Where can I find more information about this product?

Visit our website at www.AFLglobal.com to see the materials currently available including product spec sheets, installation instructions and 3D animated installation videos.

To get even more information, reach out to our sales team. On the product web page, click on the "Contact Us" button in the top right of the FUSEConnect MPO page to request a quote or find a sales rep. Or visit www.AFLglobal.com/Contact/AFL-Sales-Team. Select your region and market to see direct contacts to AFL employees who can assist.