

# Lynx-CustomFit™ Splice-On Connectors MPO

Sumitomo Electric Lightwave's Lynx-CustomFit™ Splice-On Connectors MPO are the industry's first MPO fusion splice-on field installable connector for customized, on-site terminations. They are easily terminated with minimal tooling, and compatible with other MPO connectors. Like all Lynx-CustomFit™ SOC, the MPO allows technicians to make permanent terminations with the exact cable length for fast and easy installations, upgrades, and repairs at the work site. The on-site customization facilitated by the Lynx-CustomFit™ SOC connectivity method eliminates the risk of shorts and slack, repair lag, and logistic delays associated with preterminated cables and the need for splice trays required for pigtails — making the Lynx-CustomFit™ SOC MPO your best choice in customized fiber termination.

## FEATURES











- Industry's First MPO Field Installable, Fusion Splice-On Connector
- Cuts Time, Material, and Labor Costs
- Eliminates Logistical Delays of Pre-Engineered Cables
- Guide Pins for Precision Alignment (Male Only)
- Color Coded Housing
- Compatible with Optical Ribbon Fiber and Round Cord 12ct. Loose Tube
- Customizable Field Polarity Management
- EIA/TIA-604-5, FOCIS 5, IEC-61754-7 Compliant

## SPECIFICATIONS

Connector Type	SMF: Low Loss	SMF: Standard	MMF: OM1	MMF: OM2	MMF: OM3/OM4/OM5
Polish	Angled	Angled	Flat	Flat	Flat
Housing Color	Yellow	Green	Beige	Black	Aqua
Typical Insertion Loss	.10dB	.25dB	.10dB	.10dB	.10dB
Maximum Insertion Loss	≤ .35dB	≤ .75dB	≤ .35dB	≤ .35dB	≤ .35dB
Return Loss	≥ 60dB	≥ 60dB	≥ 20dB	≥ 20dB	≥ 20dB



**LYNX-CUSTOMFIT™ MPO PART NUMBERING GUIDE**

<p><b>LYNX2-MPO12 <u>A</u></b> (A = Connector Gender)</p>	<p><b><u>B B</u></b> (BB = Fiber)</p>	<p><b><u>C C</u></b> (CC = Fiber Type)</p>	<p><b><u>D D D D D</u></b> (DDDDD = Fiber Media)</p>
 <p><b><u>M</u></b> (Male)</p>  <p><b><u>F</u></b> (Female)</p> <p><b>POLARITY</b> Specifying polarity is not required. See installation instructions.</p>	<p><b><u>S M</u></b> (Single Mode)</p>  	<p><b><u>L L</u></b> Low Loss (IL ≤ 35dB RL ≥ 60dB) <b>YELLOW HOUSING</b></p> <p><b><u>S L</u></b> Standard Loss (IL ≤ 75dB RL ≥ 60dB) <b>GREEN HOUSING</b></p>	 <p><b><u>R B N</u> _ _</b> For 12f Ribbon (No Jacket)</p>  <p><b><u>R B C</u> _ _</b> For 12f Ribbon (With Jacket)</p>  <p><b><u>R C 3 . 0</u></b> For 3.0mm Cord</p>
	<p><b><u>M M</u></b> (Multi Mode)</p>   	<p><b><u>O 1</u></b> Multi Mode 62.5µm (IL ≤ 35dB RL ≥ 20dB) <b>BEIGE HOUSING</b></p> <p><b><u>O 2</u></b> Multi Mode 50µm (IL ≤ 35dB RL ≥ 20dB) <b>BLACK HOUSING</b></p> <p><b><u>O 3</u></b> Multi Mode 50µm Laser Optimized (IL ≤ 35dB RL ≥ 20dB) OM3, OM4 and OM5 Compatible <b>AQUA HOUSING</b></p>	

**EXAMPLES**

(LYNX2-MPO12-ABBCC-DDDDD-EEE)



LYNX2-MPO12 F - S M L L - R B N \_ \_

Part Number is: LYNX2-MPO12F-SMLL-RBN



LYNX2-MPO12 M - M M O 3 - R C 3 . 0

Part Number is: LYNX2-MPO12M-MM03-RC3.0

**RELATED PRODUCTS**

PART NAME	DESCRIPTION
LYNX-CORDTOOL-2.0-3.0	Splice-On Connector Cord Prep Tool, 2.0 to 3.0mm Cord OD
FHM-12-MPO-MTL	Lynx-CustomFit™ MPO Metal Ferrule Holder
LYNX2-ATK-MPO	Assembly Platform with Integrated Fiber Arrangement Tool
LYNX2-HRT-1	MPO Outer Housing Disassembly Tool
FTA-02	Fiber Arrangement and Ribbonization tool with clamps on both ends for making shorter ribbons with a single end for Lynx-CustomFit™ MPO, or longer ribbons by using both ends for a ribbon to ribbon fusion splice
FA-03	Fiber Arrangement and Ribbonization tool with a single fiber clamp for making shorter ribbons for use with Lynx-CustomFit™ MPOs
FAC-24	Consumables for Fiber Arrangement Tool (Makes Approx. 30 Ribbons, for use with FA-03 or FTA-02)
LYNX2-TKU-MPO-RC	Lynx-CustomFit™ MPO Tool Kit with Fiber Arrangement and Ribbonization Tool (FA-03), Cord Tool (LYNX-CORDTOOL-2.0-3.0), Lynx-CustomFit™ Metal Ferrule holder (FHM-12-MPO-MTL), Fiber Optic Shears (FOS-01), Ribbonizing Glue and Pads (FAC-24), and carrying bag (LYNX-BAG).
LYNX2-TKU-MPO-RCATK	Lynx-CustomFit™ MPO Tool Kit with Assembly Platform (LYNX2-ATK2-MPO), Cord Tool (LYNX-CORDTOOL-2.0-3.0), Lynx-CustomFit™ Metal Ferrule holder (FHM-12-MPO-MTL), Fiber Optic Shears (FOS-01), Ribbonizing Glue and Pads (FAC-24), and carrying bag (LYNX-BAG).
TYPE-Q102-M12p-KIT-MPO	Quantum Mass Fusion Splicer, Cleaver, Thermal Jacket Remover, Spare Electrodes, 12ct Ribbon Fiber Holders, 250µm Single Fiber Holders, V-Groove Brush, Power Cord, Manual, Hard Case, MPO Assembly Tool Kit, Consumable Kit, 2mm/3mm Cord Tool, Fiber Optic Shears, MPO Metal Holder

To learn more information visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)