



FuseConnect MPO Connectors, Cable



FuseConnect MPO Connectors, Ribbon

## FuseConnect™ MPO Fusion Spliced Field-Terminated Connectors

AFL's FuseConnect MPO fusion-spliced, field-terminated connectors are uniquely designed and feature just six components. With a factory pre-polished ferrule, its innovative field-termination process eliminates polishing, adhesives and crimping in the field minimizing the potential for operator error and expensive connector scrap.

Designed to Fiber Optic Connector Intermateability Standard (FOCIS), Type MPO, FOCIS-5, TIA-604-5-C, AFL's FuseConnect MPO performs as an equivalent to the standard factory terminated MPO/MTP® assemblies. Designed to utilize either ribbon or loose tube cable, this connector helps to minimize the complexity involved in the termination of a multi-fiber connection, allowing for a reliable and repeatable termination in field applications.

FuseConnect MPO is part of the FuseConnect series splice-on connector which includes the SC, LC, ST and FC that require a fusion splicer and accessories for installations. The AFL FuseConnect MPO Termination Kit specifically provides all the necessary accessories required for field termination of the FuseConnect MPO.

### Features

- Field installable splice-on connector
- Only six components
- No adhesives, crimping or polishing
- TIA-568-C.3, IEC-61754-7, and TIA/EIA-604-5 FOCIS 5 Compliant
- Field MPO polarity customization
- Include 3.0 mm round and optical fiber ribbon flat boots in each pack

### Applications

- Connectorization in:
  - RF-overlay FTTP networks
  - Cable TV backbone networks
  - Outside plant
  - MDU FTTP Cabling
- Connector restoration in the field
- Data center installation
- Patch cord customization in the field

### Specifications

PARAMETER		VALUE
Insertion Loss	Single-mode (OS1)	Average: 0.25 dB; Max: 0.75 dB
	62.5/125 (OM1)	Average: 0.10 dB; Max: 0.35 dB
	50/125 (OM2)	Average: 0.10 dB; Max: 0.35 dB
	50/125 LO (OM3/OM4)	Average: 0.10 dB; Max: 0.35 dB
Return Loss	Single-mode (OS1)	> 65 dB
	62.5/125 (OM1)	> 30 dB
	50/125 (OM2)	> 30 dB
	50/125 LO (OM3/OM4)	> 30 dB
Operating Temperature		-40°C to +75°C

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Specifications and descriptions are subject to change without prior notice.



CONNECTOR TYPE	FIBER TYPE	POLISH	CABLE SIZE		HOUSING COLOR
			ROUND	FLAT	
MPO, Male (guide pins)	Single-mode (OS1)	APC	3.0 mm	250 µm	Green
MPO, Female (No Guide Pins)	Single-mode (OS1)	APC	3.0 mm	250 µm	Green
MPO, Male (guide pins)	Multimode 62.5 µm (OM1)	PC	3.0 mm	250 µm	Beige
MPO, Female (no guide pins)	Multimode 62.5 µm (OM1)	PC	3.0 mm	250 µm	Beige
MPO, Male (guide pins)	Multimode 50 µm (OM2)	PC	3.0 mm	250 µm	Black
MPO, Female (no guide pins)	Multimode 50 µm (OM2)	PC	3.0 mm	250 µm	Black
MPO, Male (guide pins)	Multimode 50 µm 10Gig (OM3/OM4)	PC	3.0 mm	250 µm	Aqua
MPO, Female (no guide pins)	Multimode 50 µm 10Gig (OM3/OM4)	PC	3.0 mm	250 µm	Aqua

\*Pack of 6 pieces

## Ordering Information – Accessories

<b>DESCRIPTION</b>
<b>TOOL KIT</b>
FuseConnect MPO Tool Kit
<b>ACCESSORIES</b>
FuseConnect Ribbonize Tool
FuseConnect Stripping Tool (3.0 mm, 2.8 mm, 2.0 mm, and 1.6 mm)
FuseConnect MPO Assembly Tool

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