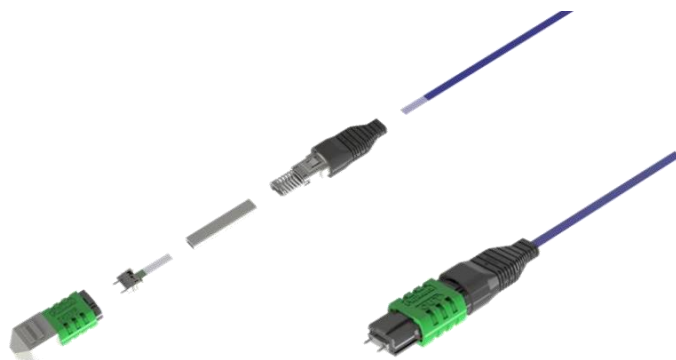


## FuseConnect™ MPO



FuseConnect™ MPO splice-on, field-installable connectors are uniquely designed and feature just six components. 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 connector family which includes SC and LC style connectors.

The connector is designed for use with the RT-02 ribbonizing tool which does not require ribbonizing glue resulting in a cleaner termination process.

FuseConnect™ MPO performs as an equivalent to the standard factory terminated MPO/MTP™ assemblies. Designed to utilize standard ribbon, Spider Web Ribbon™, or loose tube cable, this connector helps minimize the complexity involved in the termination of a multi-fiber connection, allowing for a reliable and repeatable termination in field applications. Fujikura offers a tool kit as well as a variety of accessories designed to meet all your installation needs for your FuseConnect™ MPO application.

MTP™ is a trademark of US Conec Ltd.

### Specifications

Applicable Fiber / Cord	<ul style="list-style-type: none"><li>12 fiber ribbon type (0.25 mm fiber)</li><li>3 mm cord type</li></ul>			
Connector	MPO (12f)			
Type	SM (*1)	Low Loss SM	MM (OM1) (*2)	MM (OM4) (*3)
Polishing	APC		PC	
Housing Color	Green	Yellow	Beige	Aqua
Insertion Loss (*4)	≤ 0.75 dB	≤ 0.35 dB	≤ 0.35 dB	
Return Loss (*4)	≥ 65 dB	≥ 65 dB	-	
Remark	6 pcs packing unit			

(\*1) Mode field diameter: 8.6 μm. (For 9.2 μm type, please consult with us.)

(\*2) GI62.5/125, IEC60793-2-10A1b

(\*3) GI50/125, IEC60793-2-10A1a.3

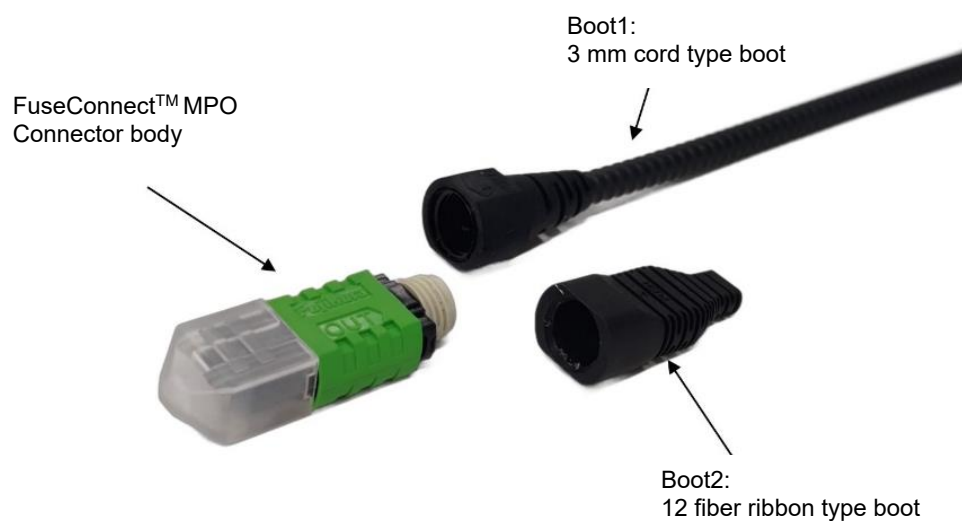
(\*4) with reference connector, SM @ 1310, 1550 nm, MM @ 850, 1310 nm



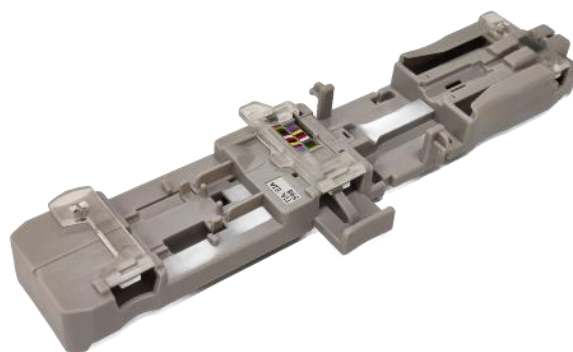
Contact us

## Ordering Information

Type	Polishing	Male (Connector with Guide Pin)	Female (Connector without Guide Pin)
SM	APC	FUSECONNECT-MPO-S-MALE-SM15-6	FUSECONNECT-MPO-S-FEMALE-SM15-6
Low Loss SM	APC	FUSECONNECT-MPO-S-MALE-LLSM15-6	FUSECONNECT-MPO-S-FEMALE-LLSM15-6
MM (OM1)	PC	FUSECONNECT-MPO-S-MALE-GI6-6	FUSECONNECT-MPO-S-FEMALE-GI6-6
MM (OM4)	PC	FUSECONNECT-MPO-S-MALE-OM4-6	FUSECONNECT-MPO-S-FEMALE-OM4-6



Optical product:  
RT-02/Ribbonizing tool



Contact us

## Assembly Tool

Tools	Connector Types	Standard Ribbon, Spider Web Ribbon™	Ø3 mm Cord
<b>Cord Clamp</b>		Unnecessary item	CABLE CLAMP (2 mm and 3 mm) (*5)
<b>Cord Jacket Stripper</b>		Unnecessary item	FUSE-ST (*6)
<b>Fiber Holder</b>		FH-70-12	
<b>Fiber Arrangement Tool</b>		Unnecessary item	Ribbonizing tool RT-02
<b>Stripper</b>		Ribbon Fiber Stripper RS03	
<b>Cleaver</b>		CT50	
<b>Fusion Splicer</b>		Fujikura Fusion Splicer (*7)	
<b>Aramid Yarn Cutter</b>		Unnecessary item	Off-the-shelf tool



For 3mm cord

**CABLE CLAMP**  
(2mm and 3mm) \*5

**Cord Jacket Stripper**  
**FUSE-ST \*6**

**Ribbonizing Tool**  
**RT-02**

**Fiber Holder**  
**FH-70-12**

**Ribbon Fiber Stripper**  
**RS03**

**Optical Fiber Cleaver**  
**CT50**

**Fujikura Fusion Splicer \*7**  
**90R**

Note: Alcohol and wipes are also necessary for fiber cleaning process

(\*5) Both 2 mm and 3 mm cable clamps are provided as a tool set. Use 3 mm type for assembly.

(\*6) This is a cord jacket splitting tool for Fuseconnect™ connector assembly. Available for Ø 1.6 mm, Ø 2.0 mm, Ø 2.8 mm and Ø 3.0 mm cord.

(\*7) Applicable Fusion Splicers 90R and 70R.



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