

# FuseLite® MTP®-Compatible Splice-On Connectors

CORNING

## Features and Benefits

### Factory-polished end face

Consistent optical performance

### Splice protection within connector body

No splice trays required

### Available in ribbon, 3 mm cable and fan-out options

Ideal for cable trunk restoration and repair

The FuseLite™ MTP® Compatible Splice-On Connector enables fast, reliable fusion splicing repair, restoration or connectivity for data center cabling systems, or other applications where MTP (also known as MPO) connectivity is required.

As part of EDGE™ and EDGE8™ solutions for data centers, the FuseLite™ MTP® compatible connector pairs with EDGE modules and hardware for high-density data center connectivity without pre-engineered trunk lengths – ideal for applications where final trunk length decisions must be made on-site. The FuseLite MTP connector is also ideal for emergency repair and restoration of data center cable trunks and other MTP connector-based connectivity.

Available in single-mode and multimode, the FuseLite™ Connector eliminates the need for splice trays and is compatible with leading fusion splicers in the market.

For more information about EDGE™ and EDGE8™ solutions for the data center, including the EDGE SE solutions featuring the FuseLite™ MTP® compatible connector, visit [www.corning.com/opcomm](http://www.corning.com/opcomm) contact Corning Customer Care at 1-800-743-2675.

The FuseLite® MTP® connector comes in three basic designs: fan-out; installed on bare ribbon cable; and installed on jacketed 2.9 – 3.3 mm round 12-fiber cordage. For data center applications, the ribbon configuration would be installed on plenum ribbon cable. The advantage of this design is that no ribbonizing of the field cable is required, resulting in more rapid



FuseLite MTP-Compatible Splice-On Connector OS2 | Photo LAN2829

# FuseLite® MTP®-Compatible Splice-On Connectors

CORNING

installation. However, in dynamic environments where more protection of the fiber is required, the jacketed installation is preferred. In this case a plenum-rated MIC® 250 cable design would be utilized to allow both strength

member and jacket strain-relief to the connector. This installation will require ribbonizing of the loose fibers before installation, which requires additional equipment.

## Specifications

Intermateability	TIA/EIA-604-5 (FOCIS)
Qualification	IEC-61754-7 Compliant
Insertion Loss	Single-mode (APC): 0.25 dB average, 0.75 dB maximum Multimode: 0.10 dB typical, 0.35 dB maximum
Reflectance	≤ -20 dB for multimode, ≤, -60 dB for single-mode

## Ordering Information

Part Number	Description
SOC-MTPA-RN-SM	FuseLite® Connector, MTP® Compatible, ribbon cable, non-pinned, Single-mode (OS2), green
SOC-MTP-RN-OM1	FuseLite® Connector, MTP® compatible, ribbon cable, non-pinned, 62.5 µm multimode (OM1), beige
SOC-MTP-RN-OM4	FuseLite® Connector, MTP® compatible, ribbon cable, non-pinned, 50 µm multimode (OM2/3/4),
SOC-MTPA-3N-SM	FuseLite® Connector, MTP® compatible, 3.0 mm round cable, non-pinned, Single-mode (OS2), green
SOC-MTP-3N-OM1	FuseLite® Connector, MTP® compatible, 3.0 mm round cable, non-pinned, 62.5 µm multimode (OM1)
SOC-MTP-3N-OM4	FuseLite® Connector, MTP® compatible, 3.0 mm round cable, non-pinned, 50 µm multimode
SOC-MTPA-RP-SM	FuseLite® Connector, MTP® Compatible, ribbon cable, pinned, APC, Single-mode (OS2), green
SOC-MTP-RP-OM4	FuseLite® Connector, MTP® Compatible, ribbon cable, pinned, 50 µm multimode (OM2/3/4), aqua
SOC-MTP-RP-OM1	FuseLite® Connector, MTP® compatible, ribbon cable, pinned, 62.5 µm multimode (OM1), beige
SOC-MTPA-3P-SM	FuseLite® Connector, MTP® compatible, 3.0 mm round cable, pinned, APC, Single-mode (OS2),
SOC-MTP-3P-OM4	FuseLite® Connector, MTP® compatible, 3.0 mm round cable, pinned, 50 µm multimode (OM2/3/4),
SOC-MTP-3P-OM1	FuseLite® Connector, MTP® compatible, 3.0 mm round cable, pinned, 62.5 µm multimode (OM1),
SOC-MTPA-RBC-SMN	FuseLite® Connector, MTP® compatible, fan-out cable, non-pinned, APC, single-mode (OS2), green
SOC-MTPA-RBC-SMP	FuseLite® Connector, MTP® compatible, fan-out cable, pinned, APC, Single-mode (OS2), green
SOC-MTP-RBC-OM4N	FuseLite® Connector, MTP® compatible, fan-out cable, non-pinned, 50 µm multimode (OM2/3/4),
SOC-MTP-RBC-OM1N	FuseLite® Connector, MTP® compatible, fan-out cable, non-pinned, 62.5 µm multimode (OM1), beige
SOC-MTP-RBC-OM4P	FuseLite® Connector, MTP® compatible, fan-out cable, pinned, 50 µm multimode (OM2/3/4), aqua
SOC-MTP-RBC-OM1P	FuseLite® Connector, MTP® compatible, fan-out cable, pinned, 62.5 µm multimode (OM1), beige
SOC-MTP-RHG-RBC	FuseLite® Connector, MTP® compatible, splice-on connector, fan-out tube assembly
SOC-Q8MTP-3P-OM4	FuseLite® Connector, MTP® compatible, 8 fiber, 3.0 mm round cable, pinned, 50 µm multimode
SOC-Q8MTP-3N-OM4	FuseLite® Connector, MTP® compatible, 8 fiber, 3.0 mm round cable, non-pinned, 50 µm multimode
SOC-Q8MTP-RBC-OM4N	FuseLite® Connector, MTP® compatible, 8 fiber, fan-out cable, non-pinned, 50 µm multimode (OM2/3/4), aqua



# FuseLite® MTP®-Compatible Splice-On Connectors



## Ordering Information

Part Number	Description
SOC-Q8MTP-RBC-OM4P	FuseLite® Connector, MTP® compatible, 8 fiber, fan-out cable, pinned, 50 µm multimode (OM2/3/4), aqua
SOC-Q8MTP-RN-OM4	FuseLite® Connector, MTP® compatible, 8 fiber, ribbon cable, non-pinned, 50 µm multimode
SOC-Q8MTP-RP-OM4	FuseLite® Connector, MTP® compatible, 8 fiber, ribbon cable, pinned, 50 µm multimode (OM2/3/4),
SOC-Q8MTPA-3N-SMN	FuseLite® Connector, MTP® compatible, 8 fiber, 3.0 mm round cable, non-pinned, APC, Single-mode (OS2), green
SOC-Q8MTPA-3P-SMP	FuseLite® Connector, MTP® compatible, 8 fiber, 3.0 mm round cable, pinned, APC, Single-mode (OS2), green
SOC-Q8MTPA-RBC-SMN	FuseLite® Connector, MTP® compatible, 8 fiber, fan-out cable, non-pinned, APC, Single-mode (OS2), green
SOC-Q8MTPA-RBC-SMP	FuseLite® Connector, MTP® compatible, 8 fiber, fan-out cable, pinned, APC, Single-mode (OS2), green
SOC-Q8MTPA-RN-SMN	FuseLite® Connector, MTP® compatible, 8 fiber, ribbon cable, non-pinned, APC, Single-mode (OS2), green
SOC-Q8MTPA-RP-SMP	FuseLite® Connector, MTP® compatible, 8 fiber, ribbon cable, pinned, APC, Single-mode (OS2), green


## FuseLite® MTP® Compatible Splice-On Connector Accessories

Part Number	Product Description	Units per Delivery	
2104466-01	Fiber Optic Cleaning Tool used to clean MTP® connector end faces as well as MTP Connectors installed in a module	1/1	
CLEANER-UNIV-CASS	Universal Connector Cleaning Cassette, offers more than 500 cleanings	1/1	
FCC-CLEANER-CONN	Fiber Optic Cleaning Fluid, Connector end-face cleaning	1/1	
FCC-CLEANER-FIBER	Fiber Optic Cleaning Fluid, 3 oz can	1/1	

# FuseLite® MTP®-Compatible Splice-On Connectors



## FuseLite® MTP® Compatible Splice-On Connector Accessories

Part Number	Product Description	Units per Delivery	
FCC-WIPES	Lint-free Cleaning Wipes, canister of 90	90/1	
FOTA-001	FOTA Ribbonizer Tool, 6 and 12 F	1/1	
SOC-TOOL-JCKT	FuseLite® Connector Accessories, Jacket Cable Tool	1/1	
SOC-HLD-RBN-12S	FuseLite MTP-compatible ribbon holder, Sumitomo ribbon splicer	1/1	
SOC-HLD-CON-12S	FuseLite Connector holder, Sumitomo T-66 Ribbon Splicer	1/1	
TKT-CLEAN-MFC	Multifiber connector cleaning kit contains recommended products to effectively clean multifiber connectors such as MT-RJ and MTP® connectors	1/1	

**Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA  
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/opcomm](http://www.corning.com/opcomm)**

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/trademarks](http://www.corning.com/opcomm/trademarks). All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2018 Corning Optical Communications. All rights reserved.