

# EDGE8® MTP® Trunk 50 µm multimode (OM4), 8F MTP (pinned) Connector to 8F MTP (pinned) Connector, 48F, with 33 inch legs, pulling grip one side, 100 ft



**Part Number:**  
**GE5E548QPNDU100F**

EDGE8® MTP®/MPO trunks provide the backbone of the EDGE8 solution. With 8-fiber pinned MTP connectors on both ends, these trunks are designed to interface with EDGE8 universal modules or adapter panels for parallel optic applications. All MTP trunks are manufactured with Corning® CleanAdvantage™ technology and shipped with strain-relief clips to allow easy tool-less installation.

EDGE8® trunks utilize an 8-fibre push/pull optical connector that is pinned on both ends of the cable. The trunks are shipped with strain-relief clips that allow for tool-less installation in EDGE8 housings. The grip can be pulled using up to 400 N of pulling tension while providing complete protection for the connectors. All trunks greater than 30 m are packaged on a plastic corrugated reel for easy installation.

## Features and Benefits

### Snap-in strain-relief clips

Provide easier cable management

### Low-loss connectivity

Enables system design flexibility

### Small outer diameter

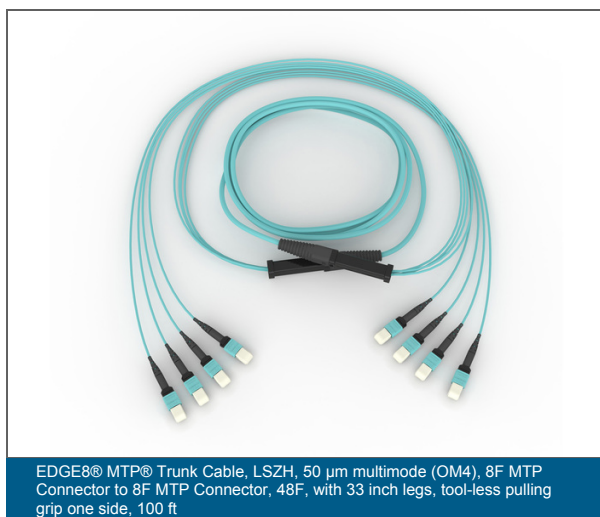
Improves cable tray fill ratio and allows for imported airflow

### Bend-improved fiber

Allows tighter cable bends for slack storage and routing, less risk of downtime due to pinched or bent cables

### Corning® CleanAdvantage™ technology and optimized dust cap

Eliminates the need for scoping and cleaning prior to initial field connection



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## Specifications

General Specifications	
Flame Rating	Plenum (OFNP)
Fiber Category	50 μm MM (OM4)
Cable Assembly Type	EDGE8® Trunk
Environment	Indoor
Cable Type	Interconnect
Connector Assembly Type	MTP to MTP

Standards	
Fiber Standards	IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/EIA 492AAAD (OM4); ITU-T Recommendation G.651; ISO/IEC 11801 Ed.2.2 Grade OM4
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	NFPA 262, National Electrical Code® (NEC®), OFNP, CSA FT-6
Design and Test Criteria	ANSI/ICEA S-83-596

Environmental Conditions	
Temperature Range, Installation	-5 °C to 50 °C (23 °F to 122 °F )
Temperature Range, Operation	-10 °C to 60 °C (14 °F to 140 °F )

Design	
Fiber Count	48
Polarity	Universal, TIA-568 Type-B
Fiber Type	Multimode

Mechanical Specifications	
Nominal Outer Diameter	8.1 mm (0.32 in )

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Mechanical Specifications	
Min. Bend Radius Installation	121.5 mm (4.78 in)
Min. Bend Radius Operation	40.5 mm (1.59 in)

Optical Characteristics	
Fiber Code	T
Performance Option Code	90
Fiber Category	OM4
Fiber Type	Multimode
Fiber Name	50 µm MM (OM4)
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm
Fiber Compliance	IEC 60793-2-10
Fiber Core Diameter	50 µm
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km

Specifications - Connector A	
Insertion Loss, Max.	0.25 dB
Boot Color	Black
Connector Type	MTP®/MPO (pinned)
Ferrule Material	Composite
Reflectance	< -20 dB

Specifications - Connector B	
Insertion Loss, Max.	0.25 dB
Boot Color	Black

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Specifications - Connector B	
Connector Type	MTP®/MPO (pinned)
Ferrule Material	Composite
Reflectance	< -20 dB

Pulling Grip - Connector A	
Pulling grip	Yes
Tensile Strength	440 N (98.92 lbf)
Grip Outer Diameter	56 mm (2.2 in)

Pulling Grip - Connector B	
Min. Duct Size Diameter	89 mm (3.5 in)

Dimensions	
Length	100 ft
Cable Weight	57.6 kg/km (38.71 lb/1000 ft)

Ordering Information	
Product Number	GE5E548QPNDU100F
Packaging Method	Plastic reel
Package Contents	2x EDGE™ clip size 2 single stack, 1x EDGE clip size 2 double stack, test reports are online
Units per Delivery	1/1

Cable Material	
Fiber Count	48
Fiber Type	OM4 MM
Outer Diameter	Standard

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Cable Material	
Flame Rating	Plenum
Armor	Non-armored
Length	100
Unit of Measure	Feet
Cable Type	Distribution
Fiber Mode	Multimode

CONNECTOR_A_1 Material	
Connector	MTP® 8F Pinned
Connector Keying	Non-Keyed
Connector Loss	Standard Loss
Connector Pinning	Pinned

CONNECTOR_B Material	
Connector	MTP® 8F Pinned
Connector Keying	Non-Keyed
Connector Pinning	Pinned
Connector Loss	Standard Loss

Furcation A Material	
Leg Length	33 in
Leg Length	840 mm -0 / +76mm (33.07 in -0 / +2.99in)
Furcation Type	EDGE™ Size 2, 20 mm x 20 mm x 108.6 mm
Leg Color	Aqua
Leg Diameter	2 mm (0.08 in)
Leg Count	6
Plug Height	20 mm (0.79 in)
Plug Width	20 mm (0.79 in)

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Furcation A Material	
Plug Depth	108.6 mm (4.28 in)

Furcation - Connector B	
Furcation Type	EDGE™ Size 2, 20 mm x 20 mm x 108.6 mm
Leg Diameter	2 mm (0.08 in)
Leg Length	840 mm (33.07 in)
Leg Length	33 in



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