

EDGE8® MTP® Trunk 16F, 50 µm multimode (OM4), Armored, 100 ft

CORNING

Part Number:
GE5E516QADDDU100F

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

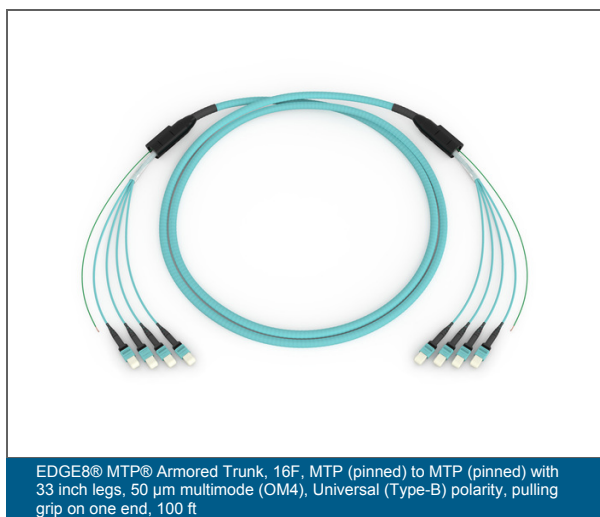
Improves cable tray fill ratio and allows for imported airflow

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
Reaction to Fire	Cca, s1b, d1, a1
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	0 °C to 50 °C (32 °F to 122 °F)
Temperature Range, Operation	-10 °C to 60 °C (14 °F to 140 °F)

Design	
Fiber Count	16
Polarity	Universal, TIA-568 Type-B
Fiber Type	Multimode

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Mechanical Specifications

Nominal Outer Diameter	12.6 mm (0.5 in)
Min. Bend Radius Installation	189 mm (7.44 in)
Min. Bend Radius Operation	63 mm (2.48 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® (pinned)
Ferrule Material	Composite
Reflectance	< -20 dB

Specifications - Connector B

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

Pulling Grip - Connector A	
Pulling grip	Yes
Tensile Strength	440 N (98.92 lbf)
Grip Outer Diameter	51 mm (2.01 in)

Dimensions	
Length	100 ft -0 / +0.61m
Cable Weight	130.9 kg/km (87.96 lb/1000 ft)

Ordering Information	
Product Number	GE5E516QADDDU100F
Packaging Method	Plastic reel
Units per Delivery	1/1

Furcation - Connector A	
Leg Length	840 mm -0 / +76mm (33.07 in -0 / +2.99in)
Furcation Type	Plug & Play™ Size 1, 82.5 mm x 36.3 mm x 31.2 mm
Leg Color	Aqua
Leg Diameter	2 mm (0.08 in)
Leg Count	2

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Furcation - Connector B	
Furcation Type	Plug & Play™ Size 1, 82.5 mm x 36.3 mm x 31.2 mm
Leg Diameter	2 mm (0.08 in)
Leg Length	840 mm (33.07 in)



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