

EDGE8® MTP® Trunk 8F, 50 µm multimode (OM4), Armored, 100 ft

CORNING

Part Number:
GE5E508QADDDU100F

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

Small outer diameter

Improves the cable tray fill ratio and allows for improved airflow

Low-loss connectivity

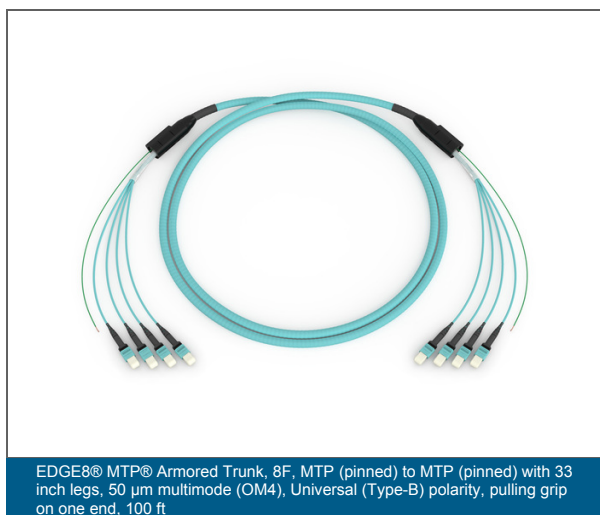
Enables system design flexibility

Bend-improved fibre

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



EDGE8® MTP® Armored Trunk, 8F, MTP (pinned) to MTP (pinned) with 33 inch legs, 50 µm multimode (OM4), Universal (Type-B) polarity, pulling grip on one end, 100 ft

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Specifications

General Specifications

Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM4)
Cable Assembly Type	EDGE8® Trunk
Environment	Indoor
Application	Data Center LAN/SAN
Cable Type	Interconnect
Connector Assembly Type	MTP to MTP

Standards

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

Standards

Fiber Standards	TIA/EIA-492AAAC-A, Tested with minEMBc method to TIA/EIA-455-220, IEC 60793-2-10 Type A1a.2 Ed.2.0, IEC 60793-1-49 Ed.2.0, ITU-T G.651, ISO/IEC 11801 Ed.2.2 Cat. OM3
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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	8
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Design

Polarity	Universal, TIA-568 Type-B
Fiber Type	Multimode

Mechanical Specifications

Nominal Outer Diameter	11.3 mm (0.44 in)
Min. Bend Radius Installation	169.5 mm (6.67 in)
Min. Bend Radius Operation	56.5 mm (2.22 in)

Optical Characteristics

Fiber Code	Q
Fiber Type	Multimode
Fiber Compliance	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
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1000 MHz*km / 550 MHz*km
Parallel Optics 40 Gigabit Ethernet	150 m / -
Serial 10 Gigabit Ethernet	550 MHz*km / -
Wavelengths	850 nm / 1300 nm
Fiber Category	OM4

Specifications - Connector A

Insertion Loss, Max.	0.25 dB
Boot Color	Black
Connector Type	MTP® (pinned)

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Specifications - Connector A

Ferrule Material	Composite
Reflectance	< -20 dB

Specifications - Connector B

Insertion Loss, Max.	0.25 dB
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	102.6 kg/km (68.94 lb/1000 ft)

Ordering Information

Product Number	GE5E508QADDDU100F
Packaging Method	Plastic reel
Units per Delivery	1/1

Furcation - Connector A

Leg Length	840 mm -0 / +76mm (33.07 in -0 / +2.99in)
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Furcation - Connector A

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	1

Furcation - Connector B

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	1
Leg Length	840 mm -0 / +76mm (33.07 in -0 / +2.99in)



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