

EDGE™ MTP® Trunk 12F, 50 µm multimode (OM4), 100 ft

CORNING

Part Number:
G757512QPNDDU100F

EDGE™ MTP® trunks provide the backbone of the EDGE solution. With non-pinned MTP connectors on both ends, these trunks are designed to interface with the EDGE solutions or Plug & Play™ systems modules. All MTP trunks are manufactured with Corning® CleanAdvantage™ and shipped with strain-relief clips to allow easy tool-less installation.

Features and Benefits

Snap-in strain-relief clips

Provide easier cable management

Small outer diameter

Improves cable tray fill ratio and allows for imported airflow

Low-loss connectivity

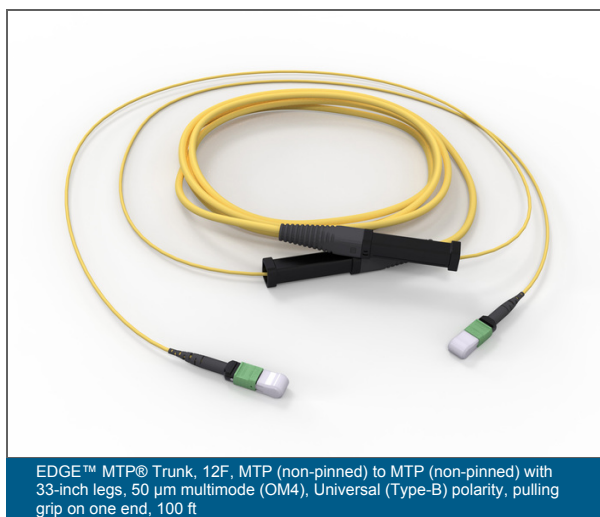
Enables system design flexibility

Bend-improved fibre

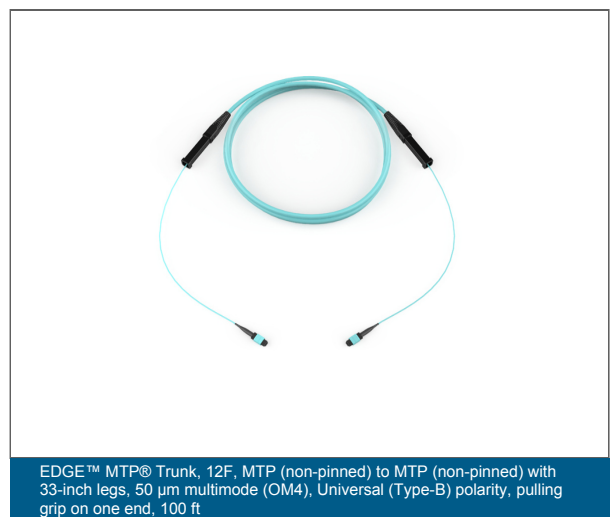
Allows tighter cable bends for slack storage and routing, less risk of downtime due to pinched or bent cables

Corning® CleanAdvantage™ technology and optimized dust cap

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



EDGE™ MTP® Trunk, 12F, MTP (non-pinned) to MTP (non-pinned) with 33-inch legs, 50 µm multimode (OM4), Universal (Type-B) polarity, pulling grip on one end, 100 ft



EDGE™ MTP® Trunk, 12F, MTP (non-pinned) to MTP (non-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	EDGE™ Trunk
Environment	Indoor
Connector Assembly Type	MTP to MTP

Standards

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, Operation	-10 °C to 60 °C (14 °F to 140 °F)
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Design

Fiber Count	12
Polarity	Universal, TIA-568 Type-B
Strain-Relief Bracket Type	1
Fiber Type	Multimode

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Mechanical Specifications

Nominal Outer Diameter	5.5 mm (0.22 in)
Max. Tensile Strength for Installation	440 N (98.92 lbf)
Min. Bend Radius Installation	82.5 mm (3.25 in)
Min. Bend Radius Operation	27.5 mm (1.08 in)
Weight	32 kg/km (21.5 lb/1000 ft)
Minimum Conduit Size with 18-in Elbow	63.5 mm (2.5 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® (non-pinned)
Ferrule Material	Composite
Reflectance	< -20 dB

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Specifications - Connector B

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

Pulling Grip - Connector A

Pulling grip	Yes
Tensile Strength	440 N (98.92 lbf)
Grip Outer Diameter	41 mm (1.61 in)

Pulling Grip - Connector B

Min. Duct Size Diameter	64 mm (2.52 in)
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Dimensions

Length	100 ft
Cable Weight	32 kg/km (21.5 lb/1000 ft)

Ordering Information

Product Number	G757512QPNDU100F
EAN Code	4056418148595
Packaging Method	Plastic reel
Reel Diameter	23.5 in
Reel Width	5 in
Units per Delivery	1/1

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Cable Material

Fiber Count	12
Fiber Type	OM4 MM
Outer Diameter	Standard
Flame Rating	Plenum
Armor	Non-armored
Length	100
Unit of Measure	Feet
Cable Type	Distribution
Fiber Mode	Multimode

CONNECTOR_A_1 Material

Connector	MTP® 12F Non-pinned
Connector Keying	Non-Keyed
Connector Loss	Low Loss
Connector Pinning	Non-Pinned

CONNECTOR_B Material

Connector	MTP® 12F Non-pinned
Connector Keying	Non-Keyed
Connector Pinning	Non-Pinned
Connector Loss	Low Loss

Furcation A Material

Leg Length	33 in
Leg Length	838 mm -0 / +76mm (32.99 in -0 / +2.99in)
Furcation Type	EDGE™ Size 1, 14.7 mm x 14.7 mm x 108.6 mm
Leg Color	Aqua
Leg Diameter	2 mm (0.08 in)

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Furcation A Material

Leg Count	1
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Furcation - Connector B

Furcation Type	EDGE™ Size 1, 14.7 mm x 14.7 mm x 108.6 mm
Leg Color	Aqua
Leg Diameter	2 mm (0.08 in)
Leg Count	1
Leg Length	838 mm -0 / +76mm (32.99 in -0 / +2.99in)
Leg Length	33 in



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