

EDGE™ MTP® Trunk 50 μm multimode (OM3), MTP® Connector to MTP Connector, 12 F, with 33/33 inch legs, pulling grip one side, 50 ft

CORNING

Part Number:
G757512TPNDDU050F

EDGE™ MTP® trunks provide the backbone of the EDGE solution. With non-pinned MTP connectors on both ends, these fiber trunk cable assemblies are designed to interface with the EDGE solutions or Plug & Play™ systems modules. All MTP trunks are manufactured with Corning® CleanAdvantage™, MTP trunk cables are 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 fiber

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

Fiber optic trunk cable manufactured with Corning® CleanAdvantage™ technology and optimized dust cap

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

Non-pinned MTP connectors on both ends

Fiber optic trunks designed to interface with the EDGE solutions or Plug & Play™ systems modules



EDGE™ Solutions Trunk Cable, 50 μm multimode (OM3), MTP® Connector to MTP Connector, 12 F, with 33/33 inch legs, pulling grip one side, 50 ft

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Specifications

General Specifications	
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM3)
Cable Assembly Type	EDGE™ Trunk
Environment	Indoor
Pulling grip	Yes
Connector Assembly Type	MTP to MTP

Standards	
Fiber Standards	IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/EIA 492AAAC-A (OM3); ITU-T Recommendation G.651; ISO/IEC 11801 Ed.2.2 Grade OM3
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	-10 °C to 60 °C (14 °F to 140 °F)
Temperature Range, Operation	-10 °C to 60 °C (14 °F to 140 °F)

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 ± 0.3mm (0.22 in ± 0.01in)
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)
Minimum Conduit Size with 18-in Elbow	63.5 mm (2.5 in)

Optical Characteristics

Fiber Code	T
Performance Option Code	80
Fiber Category	OM3
Fiber Type	Multimode
Fiber Name	50 µm MM (OM3)
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	300 m / -
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km

Specifications - Connector A

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

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Specifications - Connector B	
Insertion Loss, Max.	0.25 dB
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)

Dimensions	
Length	50 ft -0 / +0.61m
Cable Weight	32 kg/km (21.5 lb/1000 ft)

Ordering Information	
Product Number	G757512TPNDDU050F
Reel Diameter	23.5 in
Reel Width	5 in
Units per Delivery	1/1

Cable Material	
Fiber Count	12
Fiber Type	OM3 MM

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Cable Material	
Outer Diameter	Standard
Flame Rating	Plenum
Armor	Non-armored
Length	50
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 - Connector B	
Furcation Type	EDGE™ Size 1, 14.7 mm x 14.7 mm x 108.6 mm
Leg Diameter	2 mm (0.08 in)
Leg Length	838 mm (32.99 in)
Leg Length	33 in



Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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