

EDGE™ MTP® Trunk 12F, Bend-Improved single-mode (OS2), 100 ft

CORNING

Part Number:
G909012GPNDU100F

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

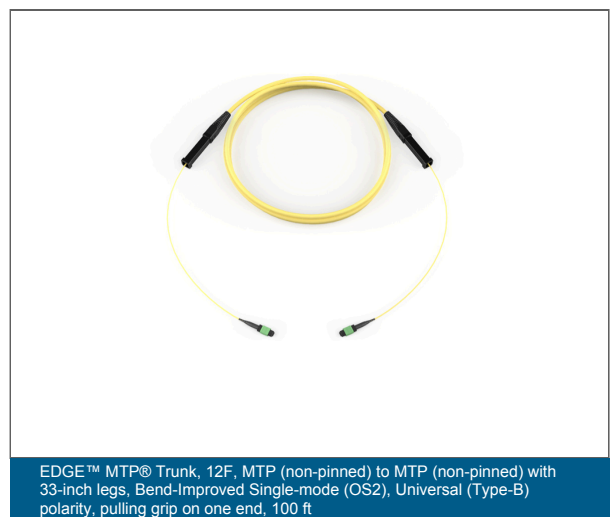
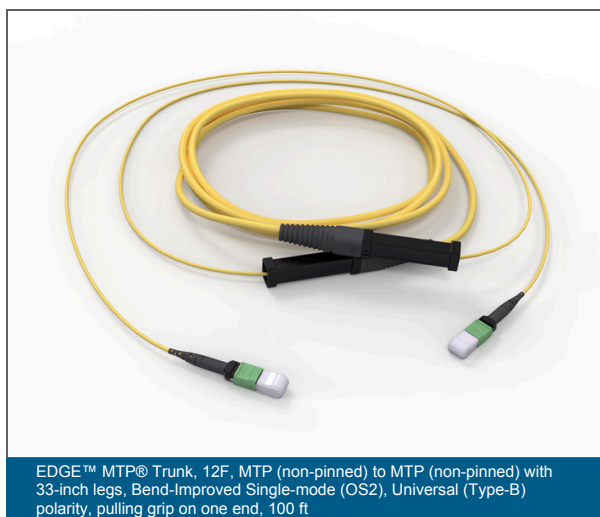
Enables system design flexibility

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, Bend-Improved single-mode (OS2), 100 ft



Specifications

General Specifications	
Flame Rating	Plenum (OFNP)
Fiber Category	Bend-improved Single-Mode (OS2)
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

Environmental Conditions	
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	Single-mode

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)

EDGE™ MTP® Trunk 12F, Bend-Improved single-mode (OS2), 100 ft

CORNING

Mechanical Specifications

Weight	32 kg/km (21.5 lb/1000 ft)
Minimum Conduit Size with 18-in Elbow	64 mm (2.52 in)

Optical Characteristics

Fiber Code	G
Fiber Type	Single-Mode Ultra-Bendable Fiber
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Fiber Core Diameter	8.2 μm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Serial 1 Gigabit Ethernet	5000 MHz*km / - / -
Serial 10 Gigabit Ethernet	10000 MHz*km / - / 40000 MHz*km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	OS2

Specifications - Connector A

Insertion Loss, Max.	0.35 dB
Boot Color	Black
Connector Type	MTP® (non-pinned)
Ferrule Material	Composite
Reflectance	< -65 dB

Specifications - Connector B

Insertion Loss, Max.	0.35 dB
Boot Color	Black
Connector Type	MTP® (non-pinned)
Ferrule Material	Composite
Reflectance	< -65 dB

EDGE™ MTP® Trunk 12F, Bend-Improved single-mode (OS2), 100 ft



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

Ordering Information

Product Number	G909012GPNDU100F
EAN Code	4056418180250
Packaging Method	Plastic reel
Reel Diameter	23.5 in
Reel Width	5 in
Units per Delivery	1/1

Cable Material

Fiber Count	12
Fiber Type	OS2 Bend-improved SM
Outer Diameter	Standard
Flame Rating	Plenum
Aarmor	Non-armored
Length	100
Unit of Measure	Feet

EDGE™ MTP® Trunk 12F, Bend-Improved single-mode (OS2), 100 ft



Cable Material	
Cable Type	Distribution
Fiber Mode	Single-Mode

CONNECTOR_A_1 Material	
Connector	MTP® 12F Non-pinned
Connector Keying	Non-Keyed
Connector Loss	Standard Loss
Connector Pinning	Non-Pinned

CONNECTOR_B Material	
Connector	MTP® 12F Non-pinned
Connector Keying	Non-Keyed
Connector Pinning	Non-Pinned
Connector Loss	Standard 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	Yellow
Leg Diameter	2 mm (0.08 in)
Leg Count	1

Furcation - Connector B	
Furcation Type	EDGE™ Size 1, 14.7 mm x 14.7 mm x 108.6 mm
Leg Color	Yellow
Leg Diameter	2 mm (0.08 in)

EDGE™ MTP® Trunk 12F, Bend-Improved single-mode (OS2), 100 ft



Furcation - Connector B	
Leg Count	1
Leg Length	838 mm -0 / +76mm (32.99 in -0 / +2.99in)
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