

EDGE™ MTP® Trunk Bend-improved Single-mode (OS2), MTP® Connector to MTP Connector, 24 F, with 33/33 inch legs, pulling grip one side, 30 ft

CORNING

Part Number:
G909024GPNDDU030F

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

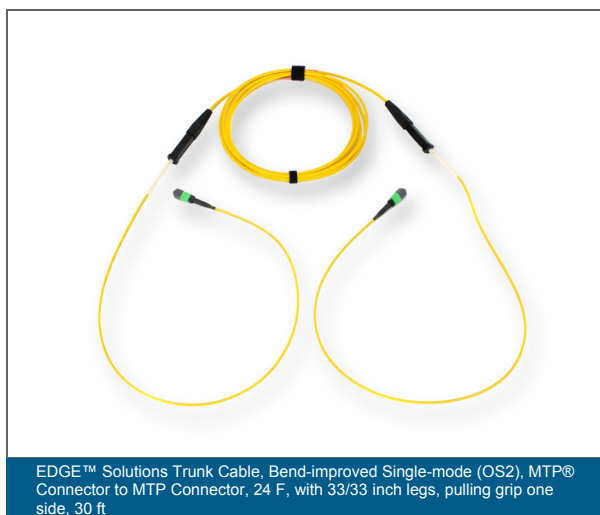
Allows tighter cable bends for slack storage and routing, less risk of downtime due to pinched or bent cables

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



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Specifications

General Specifications

Flame Rating	Plenum (OFNP)
Fiber Category	Bend-improved SM (OS2)
Cable Assembly Type	EDGE™ Trunk
Environment	Indoor
Application	Data Center
Pulling grip	Yes
Connector Assembly Type	MTP to MTP

Standards

Fiber Standards	ITU-T G.652.D and ITU-T G.657.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	24
Polarity	Universal, TIA-568 Type-B
Strain-Relief Bracket Type	1
Fiber Type	Single-Mode Ultra-Bendable Fiber

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Mechanical Specifications

Nominal Outer Diameter	7.7 mm ± 0.3mm (0.3 in ± 0.01in)
Max. Tensile Strength for Installation	660 N (148.37 lbf)
Min. Bend Radius Installation	115.5 mm (4.55 in)
Min. Bend Radius Operation	38.5 mm (1.52 in)
Minimum Conduit Size with 18-in Elbow	63.5 mm (2.5 in)

Optical Characteristics

Fiber Code	Z
Performance Option Code	01
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1

Specifications - Connector A

Insertion Loss, Max.	0.75 dB
Connector Type	MTP® (non-pinned)
Ferrule Material	Composite
Reflectance	< -55 dB

Specifications - Connector B

Insertion Loss, Max.	0.75 dB
Connector Type	MTP® (non-pinned)
Ferrule Material	Composite
Reflectance	< -55 dB

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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	30 ft -0 / +0.61m
Cable Weight	50 kg/km (33.6 lb/1000 ft)

Ordering Information

Product Number	G909024GPNDDU030F
Reel Diameter	23.5 in
Reel Width	5 in
Units per Delivery	1/1

Cable Material

Fiber Count	24
Fiber Type	OS2 Bend-improved SM
Outer Diameter	Standard
Flame Rating	Plenum
Armor	Non-armored
Length	30
Unit of Measure	Feet
Cable Type	Distribution
Fiber Mode	Single-Mode

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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)

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

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