

EDGE™ Trunk Cable

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

CORNING

EDGE™ MTP® trunks provide the backbone of the EDGE Solution. With non-pinned MTP connectors on both ends of the cable, the trunks are designed to interface with EDGE or Plug & Play™ modules. All trunks are shipped with strain-relief clips that allow for tool-less installation in both EDGE and Plug & Play housings. The trunks conform to TIA-568 Type-B polarity.

Features and Benefits

High-density trunk cables

Allow tighter trunk cable bends for slack storage and routing

Low insertion loss performance

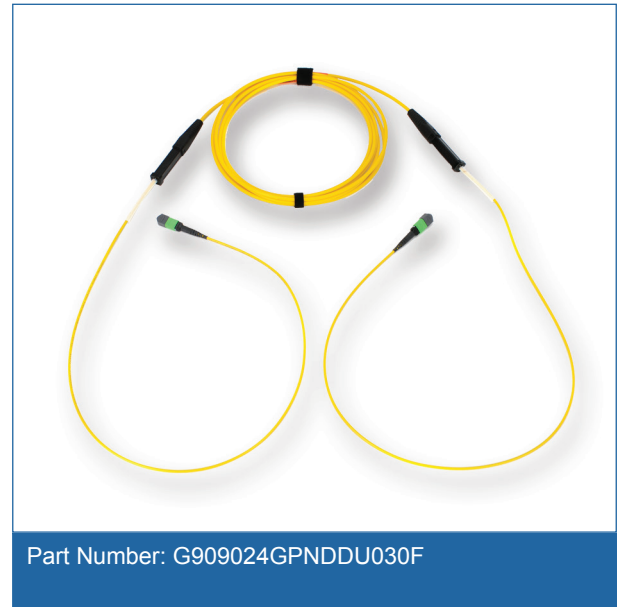
Allows for more connections in a link when deploying a TIA-942-compliant system

Universal wired components

Enable moves, adds and changes without polarity concerns; provide a simple migration path between 2-fiber and parallel optic applications

Factory-terminated solutions

Provide consistent quality, ensure system performance, and reduce installation time



Standards

Approvals and Listings NFPA 262, National Electrical Code® (NEC®), OFNP, CSA FT-6

Specifications

General Specifications	
Application	Data Center LAN/SAN
Cable Type	Indoor; ANSI/ICEA S-83-596
Flame Rating	Plenum (OFNP)
Cable Assembly Type	EDGE™ Trunk
Fiber Category	Bend-improved SM (OS2)

EDGE™ Trunk Cable

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

CORNING

Temperature Range

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

Design - Connector A

Connector Type	MTP® (non-pinned)
Ferrule Material	Composite

Optical Specifications - Connector A

Insertion Loss, Max.	0.75 dB
Reflectance	< -55 dB

Design - Connector B

Connector Type	MTP® (non-pinned)
Ferrule Material	Composite

Optical Specifications - Connector B

Insertion Loss, Max.	0.75 dB
Reflectance	< -55 dB

Cable Design

Fiber Count	24
Outer Jacket Color	Yellow
Polarity	Universal; TIA-568 Type-B
Strain-Relief Bracket Type	1

Mechanical Characteristics Cable

Nominal Outer Diameter	7.7 mm ± 0.3 mm (0.30 in)
Min. Bend Radius Installation	115.5 mm (4.55 in)
Min. Bend Radius Operation	38.5 mm (1.52 in)
Max. Tensile Strength for Installation	660 N

EDGE™ Trunk Cable

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



Mechanical Characteristics Cable

Weight	50 kg/km (34 lb/1000 ft)
Minimum Conduit Size with 18-in Elbow	2.5 in

Furcation - Connector A

Leg Length	838 mm (-0 mm/+76 mm) for EDGE™ housings (33 in (-0 in/+3 in))
Leg Diameter	2.0 mm
Leg Color	Yellow
Furcation Type - A	EDGE™ Size 1; 14.7 mm x 14.7 mm x 108.6 mm

Furcation - Connector B

Leg Length	838 mm (-0 mm/+76 mm) for EDGE™ housings (33 in (-0 in/+3 in))
Leg Diameter	2.0 mm
Leg Color	Yellow
Furcation Type - B	EDGE™ Size 1; 14.7 mm x 14.7 mm x 108.6 mm

Pulling Grip - Connector A

Pulling Grip - Connector A	Yes
Pulling Grip Outer Diameter	41 mm (1.6 in)
Min. Duct Size Diameter	64 mm (2.5 in)
Tensile Strength	440 N (100 lb)

Pulling Grip - Connector B

Pulling Grip - Connector B	No
----------------------------	----

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
------	---

EDGE™ Trunk Cable

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



Fiber Specifications

Optical Characteristics (cabled)	
Fiber Type	Single-Mode Ultra-Bendable Fiber
Fiber Core Diameter	8.2 μm
Fiber Category	OS2
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Fiber Code	G
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m
Induced Attenuation @ 10 mm Radius	0.5 dB (1 turn; 10 mm radius; 1550 nm)

* ITU-T G.652 D compliant.

* Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.

Notes: 1) Improved attenuation and bandwidth options available.
2) Bend-insensitive single-mode fibers available on request.
3) Contact a Corning Customer Care Representative for additional information.

Ordering Information

Part Number	G909024GPNDU030F
Product Description	EDGE™ Solutions Trunk Cable, Bend-improved Single-mode (OS2), MTP® Connector to MTP Connector, 24 F, with 33/33 inch legs, pulling grip one side, 30 ft
EAN Code	4056418181059
Length	30 ft (-0 ft/+2 ft) (9.14 m (-0 m/+0.61 m))

Shipping Information

Units per Delivery	1/1
Reel Diameter	23.5 in
Reel Width	5 in

EDGE™ Trunk Cable

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

The CORNING logo is displayed in white, uppercase letters within a solid blue square.

Notes



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks.

All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2016 Corning Optical Communications. All rights reserved.