

EDGE™ Solutions Hybrid Trunk Cable

144 F, Single-mode (OS2), 100 ft

CORNING

The EDGE™ Hybrid MTP® to LC Duplex Trunks combine non-pinned MTP Connectors that connect to Pretium EDGE modules and duplex uniboot LC Connectors that connect directly to electronics enabling more options for cabling your data center.

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	Single-mode (OS2)

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

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Design - Connector A

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

Optical Specifications - Connector A

Insertion Loss, Max.	0.75 dB
Reflectance	< -65 dB

Design - Connector B

Connector Type	LC Duplex Uniboot
Ferrule Material	Ceramic

Optical Specifications - Connector B

Insertion Loss, Max.	0.5 dB
Reflectance	< -58 dB

Cable Design

Fiber Count	144
Outer Jacket Color	Yellow
Polarity	Universal; TIA-568 Type-B

Mechanical Characteristics Cable

Nominal Outer Diameter	12.45 mm (0.49 in)
Min. Bend Radius Installation	187.45 mm (7.38 in)
Min. Bend Radius Operation	62.48 mm (2.46 in)
Max. Tensile Strength for Installation	445 N (100 lbf)
Weight	121 kg/km (81 lb/1000 ft)

Optical Characteristics (cabled)

Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Wavelengths	1310 nm / 1550 nm

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Optical Characteristics (cabled)

Maximum Attenuation	0.4 dB/km / 0.3 dB/km
Induced Attenuation @ 7.5 mm Radius	< 0.5 dB (1 turn; 10 mm radius; 1550 nm)

Furcation - Connector A

Leg Length	838 mm (-0 mm/+76 mm) (33 in (-0 in/+3 in))
Leg Color	Yellow
Leg Diameter	2.0 mm
Furcation Type - A	EDGE™ Size 2; 20 mm x 20 mm x 108.6 mm

Furcation - Connector B

Leg Length	914 mm (-0 mm/+114 mm) (36 in (-0 in/+4.5 in))
Leg Color	Yellow
Leg Diameter	2.0 mm
Furcation Type - B	PnP Size 3

Pulling Grip - Connector A

Pulling Grip - Connector A	Yes
Pulling Grip Outer Diameter	56 mm (2.2 in)
Min. Duct Size Diameter	76 mm (3.0 in)
Tensile Strength	445 N (100 lb)

Pulling Grip - Connector B

Pulling Grip - Connector B	No
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Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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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	G9078E4GPNDLW100F
Product Description	EDGE™ Solutions Hybrid Trunk Cable, 144 F, MTP® (non-pinned) Connector to LC Duplex Uniboot, with 33/36 inch legs, pulling grip one side, Single-mode (OS2), 100 ft
EAN Code	4056418687636
Weight	17.8 kg (8.1 lb)
Length	100 ft (-0 ft/+4 ft) (30 m (-0 m/+1.2 m))

Shipping Information

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

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Notes



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