

# EDGE™ Solutions Hybrid Trunk Cable

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



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	48
Outer Jacket Color	Yellow
Polarity	Universal; TIA-568 Type-B

## Mechanical Characteristics Cable

Nominal Outer Diameter	8.38 mm (0.33 in)
Min. Bend Radius Installation	127.51 mm (5.02 in)
Min. Bend Radius Operation	42.42 mm (1.67 in)
Max. Tensile Strength for Installation	445 N (100 lbf)
Weight	63 kg/km (42 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	EDGE™ Size 2; 20 mm x 20 mm x 108.6 mm

## 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	G907848GPNDLW100F
Product Description	EDGE™ Solutions Hybrid Trunk Cable, 48 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	4056418687421
Weight	9.2 kg (4.2 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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The logo consists of the word "CORNING" in white, uppercase, sans-serif font, centered within a solid blue square.

## Notes



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