

EDGE™ Solutions Hybrid Trunk Cable

72 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 | 72 |
| Outer Jacket Color | Yellow |
| Polarity | Universal; TIA-568 Type-B |

Mechanical Characteristics Cable

| | |
|--|--------------------------|
| Nominal Outer Diameter | 10.41 mm (0.41 in) |
| Min. Bend Radius Installation | 157.48 mm (6.20 in) |
| Min. Bend Radius Operation | 52.58 mm (2.07 in) |
| Max. Tensile Strength for Installation | 445 N (100 lbf) |
| Weight | 94 kg/km (63 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 |
|----------------------------|----|

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 | G907872GPNDLW100F |
| Product Description | EDGE™ Solutions Hybrid Trunk Cable, 72 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 | 4056418687490 |
| Weight | 13.9 kg (6.3 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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