

EDGE™ Trunk Cable

50 µm multimode (OM3), MTP® Connector to MTP Connector, 24 F, with 33/33 inch legs, pulling grip one side, 80 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



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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 | 50 µm MM (OM3) |

| 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. | 0.25 dB |
| Reflectance | < -20 dB |

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

| Optical Specifications - Connector B | |
|--------------------------------------|----------|
| Insertion Loss, Max. | 0.25 dB |
| Reflectance | < -20 dB |

| Cable Design | |
|--------------------|------|
| Fiber Count | 24 |
| Outer Jacket Color | Aqua |

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Cable Design

| | |
|----------------------------|---------------------------|
| 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 |
| 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 Color | Aqua |
| Leg Diameter | 2.0 mm |
| 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 Color | Aqua |
| Leg Diameter | 2.0 mm |
| 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) |

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Pulling Grip - Connector B

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

Chemical Characteristics

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

Fiber Specifications

Optical Characteristics (cabled)

| | |
|---|---|
| Fiber Name | G50/125 Pretium 300 ULTRA-BEND 7.5 |
| Fiber Type | Multimode |
| Fiber Core Diameter | 50 µm |
| Fiber Category | OM3 |
| Fiber Compliance | IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/EIA 492AAAC-A (OM3); ITU-T Recommendation G.651; ISO/IEC 11801 Ed.2.2 Grade OM3 |
| Wavelengths | 850 nm / 1300 nm |
| Maximum Attenuation | 3.0 dB/km / 1.0 dB/km |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 2000 MHz*km / - |
| Serial 1 Gigabit Ethernet | 1000 m / 600 m / - |
| Serial 10 Gigabit Ethernet | 300 m / - |
| Standards in Compliance | TIA/EIA 492AAAC-A, Tested with minEMBc method to TIA/EIA 455-220, IEC 60793-2-10 Type A1a.2 Ed.2.0 and IEC 60793-1-49 Ed.2.0, ITU-T G651, ISO/IEC 11801 Ed.2.2 Cat. OM3 |
| Fiber Code | T |
| Induced Attenuation @ 7.5 mm Radius | < 0.2 dB / - |

- Notes:
- 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.
 - 2) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
 - 3) Improved attenuation and bandwidth options available.
 - 4) Bend-insensitive single-mode fibers available on request.
 - 5) Contact a Corning Customer Care Representative for additional information.

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Ordering Information

| | |
|---------------------|---|
| Part Number | G757524TPNDDU080F |
| Product Description | EDGE™ Solutions Trunk Cable, 50 µm multimode (OM3), MTP® Connector to MTP Connector, 24 F, with 33/33 inch legs, pulling grip one side, 80 ft |
| EAN Code | 4056418180076 |
| Length | 80 ft (-0 ft/+2 ft) (24.38 m (-0 m/+0.61 m)) |

Shipping Information

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



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