

# EDGE™ Trunk Cable

50 µm multimode (OM3), MTP® Connector to MTP Connector, 72 F, with 33/33 inch legs, pulling grip one side, 70 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        | 72   |
| Outer Jacket Color | Aqua |

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## Cable Design

|                            |                           |
|----------------------------|---------------------------|
| Polarity                   | Universal; TIA-568 Type-B |
| Strain-Relief Bracket Type | 2                         |

## Mechanical Characteristics Cable

|  |                            |
|--|----------------------------|
| Nominal Outer Diameter                 | 10.5 mm ± 0.3 mm (0.41 in) |
| Min. Bend Radius Installation          | 157.5 mm (6.2 in)          |
| Min. Bend Radius Operation             | 52.5 mm (2.07 in)          |
| Max. Tensile Strength for Installation | 660 N                      |
| Weight                                 | 95 kg/km (64 lb/1000 ft)   |
| Minimum Conduit Size with 18-in Elbow  | 3.0 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 2; 20 mm x 20 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 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     | 89 mm (3.5 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         | G757572TPNDDU070F   |
| Product Description | EDGE™ Solutions Trunk Cable, 50 µm multimode (OM3), MTP® Connector to MTP Connector, 72 F, with 33/33 inch legs, pulling grip one side, 70 ft |
| EAN Code            | 4056418179919   |
| Length              | 70 ft (-0 ft/+2 ft) (21.34 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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