

# EDGE™ Extender Trunk

Bend-improved Single-mode (OS2), MTP® Connector to MTP Connector, 72 F, with 33/60 inch legs, pulling grip one side, 100 ft

CORNING

The EDGE™ MTP® Extender Trunks provide additional distance for the backbone of the EDGE Solution. With a non-pinned MTP on one end of the cable, a pinned MTP on the other and a TIA-568 Type-A polarity, these trunks are designed to interface with a EDGE or Plug & Play™ module and an MTP trunk. All trunks are shipped with strain-relief clips that allow for the tool-less installation in both EDGE and Plug & Play housings. Most often these extender trunks will be used in a Zone Distribution Area (ZDA).

## Features and Benefits

### High-density trunk cables

Allow tighter trunk cable bends for slack storage and routing

### Low insertion loss performance

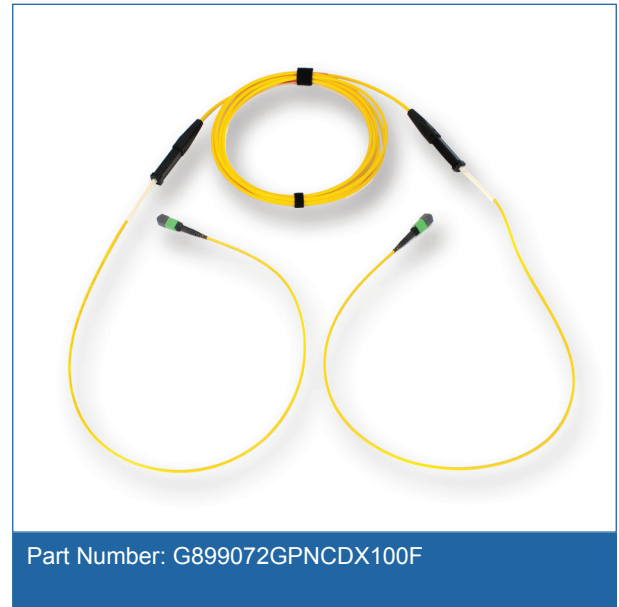
Allows for more connections in a link when deploying a TIA-942-compliant system

### 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™ Extender Trunk       |
| Fiber Category         | Bend-improved SM (OS2)     |

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## Temperature Range

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

## Design - Connector A

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

## Optical Specifications - Connector A

|                      |          |
|----------------------|----------|
| Insertion Loss, Max. | 0.75 dB  |
| Reflectance          | < -55 dB |

## Design - Connector B

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

## Optical Specifications - Connector B

|                      |          |
|----------------------|----------|
| Insertion Loss, Max. | 0.75 dB  |
| Reflectance          | < -55 dB |

## Cable Design

|                    |                          |
|--------------------|--------------------------|
| Fiber Count        | 72                       |
| Outer Jacket Color | Yellow                   |
| Polarity           | Extender; TIA-568 Type-A |

## Mechanical Characteristics Cable

|  |                          |
|--|--------------------------|
| Nominal Outer Diameter                 | 10.5 mm ± 0.3 mm         |
| 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) |

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## Furcation - Connector A

|                    |   |
|--------------------|---|
| Leg Length         | 1,524 mm (-0 mm/+76 mm) (60 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         | 838 mm (-0 mm/+76 mm) (33 in (-0 in/+3 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     | 89 mm (3.5 in) |
| Tensile Strength            | 440 N (100 lb) |

## 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 Type          | Single-Mode Ultra-Bendable Fiber |
| Fiber Core Diameter | 8.2 μm                           |

\* 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.

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## Fiber Specifications

| Optical Characteristics (cabled)   |  |
|------------------------------------|--|
| 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) |

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\* Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.

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## Ordering Information

|                     |   |
|---------------------|---|
| Part Number         | G899072GPNCDX100F   |
| Product Description | EDGE™ Solutions Extender Trunk, Bend-improved Single-mode (OS2), MTP® Connector to MTP Connector, 72 F, with 33/60 inch legs, pulling grip one side, 100 ft |
| EAN Code            | 4056418687001   |
| Weight              | 4.4 kg (9.6 lb)   |
| Length              | 100 ft (-0 ft/+2 ft) (30 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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