

# EDGE™ Reverse Polarity Uniboot Duplex Jumper

50 µm multimode (OM4), 1 m

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EDGE™ Reverse Polarity Uniboot Duplex Jumpers allow for the quick and easy conversion from a TIA-568 A-B polarity to a TIA-568 A-A polarity without exposing the fibers or needing any tools. This jumper comes with a straight-through polarity from the factory, but you can convert it to a flipped jumper. This uniboot design allows one cable to carry both fibers, reducing the jumper bulk when routing.

## Features and Benefits

### Factory-terminated solutions

Provide consistent quality, ensure system performance, and reduce installation time

### Low insertion loss performance

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



## Specifications

| General Specifications |  |
|------------------------|--|
| Application            | Data Center, Vertical Riser, General Building Applications |
| Cable Type             | Interconnect   |
| Flame Rating           | Riser (OFNR)   |
| Cable Assembly Type    | Two Fiber  |
| Fiber Category         | 50 µm MM (OM4)   |

| Design - Connector A |            |
|----------------------|------------|
| Connector Type       | LC Uniboot |
| Ferrule Material     | Ceramic    |
| Housing Material     | Composite  |
| Housing Color        | Black      |
| Boot Color           | Aqua       |

| Design - Connector B |            |
|----------------------|------------|
| Connector Type       | LC Uniboot |
| Ferrule Material     | Ceramic    |

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## Design - Connector B

|                  |           |
|------------------|-----------|
| Housing Material | Composite |
| Housing Color    | Black     |
| Boot Color       | Aqua      |

## Cable Design

|                    |      |
|--------------------|------|
| Fiber Count        | 2    |
| Outer Jacket Color | Aqua |

## Mechanical Characteristics Cable

|                        |                |
|------------------------|----------------|
| Nominal Outer Diameter | 2 mm (0.08 in) |
|------------------------|----------------|

## Mechanical Characteristics - Furcation Leg

|                     |       |
|---------------------|-------|
| Minimum Bend Radius | 10 mm |
|---------------------|-------|

## Chemical Characteristics

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

## Fiber Specifications

### Optical Characteristics (cabled)

|  |   |
|--|---|
| Fiber Type                             | Multimode   |
| Fiber Core Diameter                    | 50 µm   |
| Fiber Category                         | OM4 Extended Distance   |
| Fiber Compliance                       | IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/ EIA 492AAAD (OM4); ITU-T Recommendation G.651; ISO/ IEC 11801 Ed.2.2 Grade OM4 |
| Wavelengths                            | 850 nm / 1300 nm  |
| Maximum Attenuation                    | 2.8 dB/km / 1.0 dB/km   |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz*km / 500 MHz*km  |

- Notes:
- 1) 50 µm multimode fiber macrobend loss  $\leq 0.2$  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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## Fiber Specifications

| Optical Characteristics (cabled)        |   |
|---|---|
| Minimum Effective Modal Bandwidth (EMB) | 4700 MHz*km / -   |
| Serial 1 Gigabit Ethernet               | 1000 m / 600 m  |
| Serial 10 Gigabit Ethernet              | 600 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                              | Q   |
| 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.  
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## Ordering Information

|                     |  |
|---------------------|--|
| Part Number         | 797902QD120001M  |
| Product Description | EDGE™ Solutions Jumper, 2 F, LC Uniboot to LC Uniboot, Interconnect Cable, Riser, 50 µm multimode (OM4), 1 m |
| EAN Code            | 4056418171630  |
| Length              | 1 m  |

## Shipping Information

|                    |     |
|--------------------|-----|
| Units per Delivery | 1/1 |
|--------------------|-----|



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