

# RFP LC Uniboot to RFP LC Uniboot Patch cord, 2 fibres, Interconnect tight-buffered cable, LSZH

50 µm ClearCurve® multimode OM4, Low-Loss, 4 m

CORNING

Pretium EDGE® Solutions jumpers are integrated reverse-polarity uniboot duplex assemblies that meet the high-density space requirements of the MDA and EDA and provide a 50-percent reduction in bulk cabling when compared to traditional duplex jumpers. The highly flexible, 2-fibre interconnect cable reduces cable congestion, improves jumper management and routing and improves air circulation.

## Features and Benefits

Slim round 2-fibre interconnect cable, uniboot style duplex connectors

**Improve handling in high-density applications**

Low loss connectivity

**Enables system design flexibility**

High Performance by bend-insensitive ClearCurve Multimode or SMF-28 XB Single-mode fibers

**Designed to withstand tight bends and challenging cable routes**

LC-Duplex Uniboot Connector Design with changeable Polarity option

Interchangeable Triggers available in 10 different colours



Part Number: E797902QNZ20004M

## Standards

**Intermateability** TIA/EIA-6 4-10A604-10 /  
IEC 61754-20

## Specifications

| General Specifications |                |
|------------------------|----------------|
| Flame Rating           | LSZH/FRNC      |
| Cable Assembly Type    | Two Fibre      |
| Fibre Category         | 50 µm MM (OM4) |

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## Temperature Range

|                           |                 |
|---------------------------|-----------------|
| Operation                 | -20 °C to 60 °C |
| Installation and assembly | -5 °C to 50 °C  |
| Storage                   | -25 °C to 70 °C |

## Design - Connector A

|                  |            |
|------------------|------------|
| Connector Type   | LC Uniboot |
| Ferrule          | Ceramic    |
| Polish           | PC         |
| Housing Material | Composite  |
| Housing Colour   | Black      |
| Boot Type        | uniboot    |
| Boot Colour      | Turquoise  |
| Keyed (security) | No         |

## Mechanical Specifications - Connector A

|                                 |                                 |
|---------------------------------|---------------------------------|
| Durability                      | ≤ 0.2 dB 500 rematings, FOTP-21 |
| Tensile strength jacketed cable | 44 N                            |

## Optical Specifications - Connector A

|                         |         |
|-------------------------|---------|
| Insertion Loss, Typical | 0.1 dB  |
| Insertion loss, max.    | 0.15 dB |

## Design - Connector B

|                  |            |
|------------------|------------|
| Connector Type   | LC Uniboot |
| Ferrule          | Ceramic    |
| Polish           | PC         |
| Housing Material | Composite  |
| Housing Colour   | Black      |
| Boot Type        | uniboot    |
| Boot Colour      | Turquoise  |
| Keyed (security) | No         |

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## Mechanical Specifications - Connector B

|                                 |                                 |
|---------------------------------|---------------------------------|
| Durability                      | ≤ 0.2 dB 500 rematings, FOTP-21 |
| Tensile strength jacketed cable | 44 N                            |

## Optical Specifications - Connector B

|                         |         |
|-------------------------|---------|
| Insertion Loss, Typical | 0.1 dB  |
| Insertion loss, max.    | 0.15 dB |

## Cable Design

|                               |             |
|-------------------------------|-------------|
| Fibre Count                   | 2           |
| Outer diameter                | 2 mm        |
| Outer jacket colour           | Turquoise   |
| Outer jacket material         | LSZH/FRNC   |
| Minimum Bend Radius           | 10 mm       |
| Crush Resistance (reversible) | 1000 N/10cm |
| Tensile strength              | 150 N       |

## Chemical characteristics

|      |                                                           |
|------|-----------------------------------------------------------|
| RoHS | Free of hazardous substances according to RoHS 2002/95/EG |
|------|-----------------------------------------------------------|

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## Fibre Specifications

| Optical Characteristics (cabled)        |                                                                                                                                                         |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fibre Name                              | G50/125 ULTRA-BEND 7.5                                                                                                                                  |
| Fibre Type                              | Multimode                                                                                                                                               |
| Fibre Core Diameter                     | 50 µm                                                                                                                                                   |
| Fibre Category                          | OM4                                                                                                                                                     |
| Wavelengths                             | 850 nm / 1300 nm                                                                                                                                        |
| Maximum Attenuation                     | 2.8 dB/km / 1 dB/km                                                                                                                                     |
| Typical attenuation                     | 2.4 dB/km / 0.8 dB/km                                                                                                                                   |
| Min. Overfilled Launch (OFL) Bandwidth  | 3500 MHz*km / 500 MHz*km                                                                                                                                |
| Minimum Effective Modal Bandwidth (EMB) | 4700 MHz*km / -                                                                                                                                         |
| Serial 1 Gigabit Ethernet               | 1100 m / 600 m                                                                                                                                          |
| Serial 10 Gigabit Ethernet              | 550 m / -                                                                                                                                               |
| Induced attenuation @ 7.5 mm radius     | < 0.2 dB / -                                                                                                                                            |
| Standards in Compliance                 | TIA/EIA 492AAAD, Tested with min EMBc method to TIA/EIA 455-220, IEC 60793-2-10 Type A1a.3 and IEC 60793-1-49 ED.2.0 ITU-T G651, ISO/IEC 11801 Cat. OM4 |
| Fibre Code                              | K                                                                                                                                                       |

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

## Ordering Information

|                     |                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number         | E797902QNZ20004M                                                                                                                                                                                |
| Product Description | Pretium EDGE® Solutions Low-loss Patchcord, LC duplex uniboot connectors, ClearCurve® Multimode 50/125 µm OM4 Pretium 550 fibres, standard reverse fibre polarity, LSZH/ FRNC jacket, aqua, 4 m |
| Length              | 4 m                                                                                                                                                                                             |
| Weight              | 0.0224 kg                                                                                                                                                                                       |

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## Shipping Information

|                                |                          |
|--------------------------------|--------------------------|
| Packing type                   | Cardboard box            |
| Packing dimensions (L x W x H) | 380 mm x 250 mm x 180 mm |
| Units per Delivery             | 1/1                      |



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