

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

50 µm ClearCurve® multimode OM4, Low-Loss, 2 m

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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



## 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, change ≤ 0.2 dB, FOTP-6

## Optical Specifications - Connector A

Insertion Loss, Typical	0.1 dB
Insertion loss, max.	0.15 dB
Reflectance, typical	> 26 dB

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## 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

## 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
Reflectance, typical	> 26 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

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## Mechanical Characteristics Cable

Nominal Outer Diameter	2.0 mm
Fire Load	0.3 MJ/m
Min. Bend Radius Installation	20 mm
Min. Bend Radius Operation	10 mm

## 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

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## Ordering Information

Part Number	E797902QNZ20002M
Product Description	Pretium EDGE® Solutions Low-loss Patchcord, LC duplex uniboot connectors, ClearCurve® Multimode 50/125 µm OM4 Pretium 550 fibers, standard reverse fibre polarity, LSZH/FRNC jacket, aqua, 2 m
Length	2 m
Weight	0.0142 kg

## 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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