

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

SMF-28® Ultra single-mode OS2, Low-Loss, 1 m

CORNING

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® Ultra single-mode fibres

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	SMF-28® Ultra fibre
Product category	Core product / Fastship

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Temperature Range

Operation	-10 °C to 60 °C
Installation and assembly	-5 °C to 50 °C
Storage	-10 °C to 60 °C

Design - Connector A

Connector type	LC Uniboot
Ferrule Material	Ceramic
Polish	UPC
Housing material	Composite
Housing Colour	Blue
Boot type	Uniboot
Boot colour	Blue
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
Reflectance, typical	≤ -58 dB

Design - Connector B

Connector type	LC Uniboot
Ferrule Material	Ceramic
Polish	UPC
Housing material	Composite
Housing Colour	Blue
Boot type	Uniboot
Boot colour	Blue
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
Reflectance, typical	≤ -58 dB

Cable Design

Fibre count	2
Outer diameter	2 mm
Outer jacket colour	Yellow
Outer jacket material	LSZH™/FRNC
Minimum Bend Radius	10 mm
Crush resistance (reversible)	1000 N/10 cm
Tensile strength	150 N

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Fibre Specifications

Optical Characteristics (cabled)

Fibre name	SMF-28® Ultra TB Cable Optical Fibre
Mode-Field Diameter at 1310 nm	9.2 µm
Fibre code	Z
Coating diameter	242 µm
Cladding diameter	125 µm
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Serial 1 gigabit ethernet	5000 m / -
Serial 10 gigabit ethernet	10000 m / 40000 m
Cable cutoff wavelength	1260 nm

Notes: 1) Contact a Corning Customer Care Representative for additional information

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Fibre Specifications

Optical Characteristics (cabled)	
Cable cutoff wavelength	1260 nm
Dispersion in the range 1285 to 1330 nm	≤ 3.5 ps / (nm * km)
Dispersion @ 1550 nm	≤ 18 ps / (nm * km)
PMD Link Design Value	≤ 0.04 PS / $\sqrt{\text{km}}$
PMD maximum individual fibre	≤ 0.1 PS / $\sqrt{\text{km}}$
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1

Notes: 1) Contact a Corning Customer Care Representative for additional information

Ordering Information

Part Number	E787802GNZ20001M
Product Description	EDGE™ Solutions Low-loss Patchcord, LC duplex uniboot connectors, SMF-28® Ultra OS2, standard reverse fibre polarity, LSZH/FRNC jacket, yellow, 1 m
EAN Code	4042673990055
Length	1 m
Weight	0.0101 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



Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY

00 800 2676 4641 · FAX: +49 30 5303 2335 · www.corning.com/opcomm/emea

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