

LC Uniboot to SC Duplex, 2 F, Interconnect Cable, Riser

FRNC, 50 µm multimode (OM3), 10 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.

Enabled by Corning® ClearCurve® multimode optical fibre, Pretium EDGE® Solutions jumpers feature ultra-bendable performance and accommodate a minimum bend-radius of 10 mm with minimal bend-induced attenuation loss. With this bend performance, Pretium EDGE Solutions jumpers can greatly reduce outages and degradation in systems caused by severe bending problems.

Additional detailed furcation images are available in the Cable Assembly Family Specification Sheet.

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 Centre, FRNC, General building applications
Cable Type	FRNC
Cable Assembly Type	Two Fibre
Fibre Category	50 µm MM (OM3)

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Design - Connector A

Connector Type	LC Uniboot
Ferrule	Ceramic
Housing material	Composite
Housing Colour	Black
Boot Colour	Turquoise

Design - Connector B

Connector Type	SC duplex
Ferrule	Ceramic
Housing material	Composite
Housing Colour	Black
Boot Colour	Turquoise

Cable Design

Fibre Count	2
Outer jacket colour	Turquoise

Mechanical Characteristics Cable

Nominal Outer Diameter	2 mm (0.08 in)
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Mechanical Characteristics - Furcation Leg

Minimum Bend Radius	10 mm
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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	OM3
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	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / 333 m
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -
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 Cat. OM3
Fibre Code	H

Notes: 1) 50 µm multimode fibre 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 Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.
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	577902TNZ20010M
Product Description	LC Uniboot to SC Duplex, 2 F, Interconnect Cable, Riser, FRNC, 50 µm multimode (OM3), 10 m
Length	10 m

Shipping Information

Units per Delivery	1/1
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The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

Notes



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