

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

FRNC, 50 µm multimode (OM3), 4 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) |

Design - Connector A

| | |
|------------------|------------|
| Connector type | LC Uniboot |
| Ferrule Material | Ceramic |
| Housing material | Composite |
| Housing colour | black |
| Boot colour | turquoise |

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Design - Connector B

| | |
|------------------|-----------|
| Connector type | SC duplex |
| Ferrule Material | 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) |
|------------------------|----------------|

Mechanical Characteristics - Furcation Leg

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

Chemical characteristics

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

Fibre Specifications

Optical Characteristics (cabled)

| | |
|---------------------|------------------------|
| Fibre Name | G50/125 ULTRA-BEND 7.5 |
| Fibre Core Diameter | 50 µm |
| Fibre category | OM3 |
| Fibre Code | T |
| Wavelengths | 850 nm / 1300 nm |
| Maximum Attenuation | 2.8 dB/km / 1.0 dB/km |

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 Plug and 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 Customer Care Representative for additional information

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Fibre Specifications

| Optical Characteristics (cabled) | |
|---|--------------------------|
| Typical Attenuation | 2.4 dB/km / 0.8 dB/km |
| Serial 1 Gigabit Ethernet | 1000 m / 600 m |
| Serial 10 Gigabit Ethernet | 300 m / 333 m |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 2000 MHz*km / - |
| Induced attenuation @ 7.5 mm radius | < 0.2 dB / - |

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Ordering Information

| | |
|---------------------|--|
| Part Number | 577902TNZ20004M |
| Product Description | LC Uniboot to SC Duplex, 2 fibres, Interconnect Cable, Riser, FRNC, 50 µm multimode (OM3), 4 m |
| EAN Code | 4042673584018 |
| Length | 4 m |

Shipping Information

| | |
|--------------------|-----|
| Units per delivery | 1/1 |
|--------------------|-----|



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