

Pretium EDGE® Solutions Jumper, 2 F, LC Uniboot to LC Uniboot, Interconnect Cable, Riser

50 µm multimode (OM4), 1 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-fiber interconnect cable reduces cable congestion, improves jumper management and routing and improves air circulation.

Enabled by Corning® ClearCurve® multimode optical fiber, 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 Center, Vertical Riser, General Building Applications |
| Cable Type | Interconnect |
| Flame Rating | Riser (OFNR) |
| Cable Assembly Type | Two Fiber |
| Fiber Category | 50 µm MM (OM4) |

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Design - Connector A

| | |
|------------------|------------|
| Connector Type | LC Uniboot |
| Ferrule | Ceramic |
| Housing Material | Composite |
| Housing Color | Black |
| Boot Color | Aqua |

Design - Connector B

| | |
|------------------|------------|
| Connector Type | LC Uniboot |
| Ferrule | Ceramic |
| Housing Material | Composite |
| Housing Color | Black |
| Boot Color | Aqua |

Cable Design

| | |
|--------------------|------|
| Fiber Count | 2 |
| Outer Jacket Color | Aqua |

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 |
|------|---|

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Fiber Specifications

| Optical Characteristics (cabled) | |
|---|--|
| Fiber Name | G50/125 Pretium 300 ULTRA-BEND 7.5 |
| Fiber Type | Multimode |
| Fiber Core Diameter | 50 µm |
| Fiber Category | OM4 |
| Fiber Compliance | IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/EIA 492AAAD (OM4); ITU-T Recommendation G.651; ISO/IEC 11801 Grade OM4 |
| Wavelengths | 850 nm / 1300 nm |
| Maximum Attenuation | 3.0 dB/km / 1 dB/km |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 4700 MHz*km / - |
| Serial 1 Gigabit Ethernet | 1000 m / 600 m |
| Serial 10 Gigabit Ethernet | 600 m / - |
| 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 |
| Fiber Code | Q |
| Induced Attenuation @ 7.5 mm Radius | < 0.2 dB / - |

- Notes:
- 1) 50 µm multimode fiber 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 fibers available on request.
 - 5) Contact a Corning Cable Systems Customer Care Representative for additional information.

Ordering Information

| | |
|---------------------|--|
| Part Number | 797902QD120001M |
| Product Description | Pretium EDGE® Solutions Jumper, 2 F, LC Uniboot to LC Uniboot, Interconnect Cable, Riser, 50 µm multimode (OM4), 1 m |
| Length | 1 m |

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Shipping Information

| | |
|--------------------|-----|
| Units per Delivery | 1/1 |
|--------------------|-----|



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