

LC Duplex to SC Duplex Low-Loss Patch cord, 2 fibres, Zipcord Tight-Buffered Cable, LSZH, 2.0 mm legs

50 µm ClearCurve® multimode OM3, Low-Loss, 4 m

CORNING

Patch cables are used for non-permanent connections between patch panels, transmission equipment, etc. Pre-assembled cables allow for the implementation of complete Plug & Play solutions. When such a solution is adopted with accurate dimensioning and appropriate cable routing, it is possible to install even large cabling systems rapidly.

Features and Benefits

Connectors

- LC Duplex connector according to TIA/EIA-604 -10, SC Duplex connector according to TIA/EIA-604 -10 -3
- All connectors are tested to FOTP -21.
- Connectors are pre-radius polished to provide the optimal end-face geometry for long-term performance.

Cable

- Low smoke (IEC 61034) and zero-halogen (LSZH), flame retardant to IEC 60332-3-24 (C) and noncorrosive to IEC 60754-2 (FRNC)
- Cables are metal free; hence, there are no ground-loop or potential-equalization problems. Completely dry design (without gel)
- Colour of outer sheath: OM1, OM2 – orange; OM3, OM4 – turquoise; OS2 – yellow

Standards

Intermateability TIA/EIA-604-10 / TIA/EIA-604-3

Specifications

| General Specifications | |
|------------------------|----------------|
| Environment | Indoor |
| Cable assembly type | Two Fibre |
| Flame rating | LSZH™/FRNC |
| Fibre Category | 50 µm MM (OM3) |

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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 Duplex |
| Ferrule Material | Ceramic |
| Polish | PC |
| Housing material | Composite |
| Housing Colour | Black |
| Boot type | Individual |
| Boot colour | Aqua / White |
| 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 |

Design - Connector B

| | |
|------------------|--------------|
| Connector type | SC duplex |
| Ferrule Material | Ceramic |
| Polish | PC |
| Housing material | Composite |
| Housing Colour | Black |
| Boot type | Individual |
| Boot colour | Aqua / White |
| Keyed (security) | No |

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Mechanical Specifications - Connector B

| | |
|---------------------------------|----------------------------------|
| Durability | ≤ 0.2 dB 1000 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 |

Cable Design

| | |
|-------------------------------|---------------|
| Fibre count | 2 |
| Outer diameter | 2 mm x 4.1 mm |
| Outer jacket colour | Turquoise |
| Outer jacket material | LSZH™/FRNC |
| Minimum Bend Radius | 10 mm |
| Crush resistance (reversible) | 1000 N/10 cm |
| Tensile strength | 300 N |

Chemical Characteristics

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
|------|---|

Fibre Specifications

Optical Characteristics (cabled)

| | |
|--|--------------------------|
| Fibre name | G50/125 ULTRA-BEND 7.5 |
| Fibre code | T |
| Fibre core diameter | 50 µm |
| Fibre Category | OM3 |
| Wavelengths | 850 nm / 1300 nm |
| Maximum attenuation | 2.8 dB/km / 1.0 dB/km |
| 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 |

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™/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) | |
|---|--------------------------|
| 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 / - |

- 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™/EDGE™ systems solutions.
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Ordering Information

| | |
|---------------------|--|
| Part Number | E055702T5Z20004M |
| Product Description | LC Duplex to SC Duplex patch cord on 2-fibres Zipcord cable, with 2 mm legs, and a low-smoke, zero-halogen sheath. Length is variable. |
| EAN Code | 4042673337645 |
| Length | 4 m |
| Weight | 0.041 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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