

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

50 µm Clearcurve® multimode (OM4), Low-Loss, 3 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
- 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-equalisation 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-604-10

## Specifications

| General Specifications |                |
|------------------------|----------------|
| Flame Rating           | LSZH/FRNC      |
| Cable Assembly Type    | Two Fibre      |
| Fibre Category         | 50 µm MM (OM4) |



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## Temperature Range

|                           |                 |
|---------------------------|-----------------|
| Operation                 | -20 °C to 60 °C |
| Installation and assembly | -5 °C to 50 °C  |
| Storage                   | -25 °C to 70 °C |

## Design - Connector A

|                  |              |
|------------------|--------------|
| Connector Type   | LC duplex    |
| Ferrule          | 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 |

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## Design - Connector B

|                  |              |
|------------------|--------------|
| Connector Type   | LC duplex    |
| Ferrule          | Ceramic      |
| Polish           | UPC          |
| Housing material | Composite    |
| Housing Colour   | Black        |
| Boot Type        | individual   |
| Boot Colour      | aqua / white |
| Keyed (security) | No           |

## 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 |

## 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      | 1000 N/10cm   |
| Tensile strength      | 300 N         |

## Chemical characteristics

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

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## Ordering Information

|                     |   |
|---------------------|---|
| Order Number        | E050502Q5Z20003M  |
| Product Description | LC Duplex to LC Duplex patch cord on 2-fiber Zipcord cable, with 2 mm legs, and a low-smoke, zero-halogen sheath. Length is variable. |
| Length              | 3 m   |
| Weight              | 0.0315 kg   |

## Shipping Information

|                                |                          |
|--------------------------------|--------------------------|
| Units per Delivery             | 1/1                      |
| Packing type                   | Cardboard box            |
| Packing dimensions (L x W x H) | 380 mm x 250 mm x 180 mm |

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