

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

single-mode (OS2), 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.

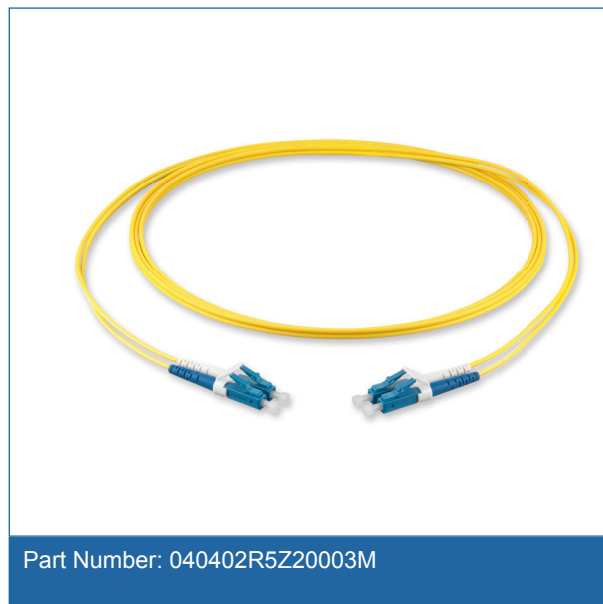
## Features and Benefits

### 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-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-604-10

## Specifications

### General Specifications

|                     |                   |
|---------------------|-------------------|
| Flame rating        | LSZH™/FRNC        |
| Cable assembly type | Two Fibre         |
| Fibre Category      | Single-mode (OS2) |

### Temperature Range

|                           |                 |
|---------------------------|-----------------|
| Operation                 | -10 °C to 60 °C |
| Installation and assembly | -5 °C to 50 °C  |
| Storage                   | -10 °C to 60 °C |

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## Design - Connector A

|                  |              |
|------------------|--------------|
| Connector type   | LC Duplex    |
| Ferrule Material | Ceramic      |
| Polish           | UPC          |
| Housing material | Composite    |
| Housing Colour   | Blue         |
| Boot type        | Individual   |
| Boot colour      | Blue / 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.    | 0.3 dB   |
| Reflectance, typical    | ≤ -58 dB |

## Design - Connector B

|                  |              |
|------------------|--------------|
| Connector type   | LC Duplex    |
| Ferrule Material | Ceramic      |
| Polish           | UPC          |
| Housing material | Composite    |
| Housing Colour   | Blue         |
| Boot type        | Individual   |
| Boot colour      | Blue / White |
| Keyed (security) | No           |

## Mechanical Specifications - Connector B

|                                 |                                 |
|---------------------------------|---------------------------------|
| Durability                      | ≤ 0.2 dB 500 rematings, FOTP-21 |
| Tensile strength jacketed cable | 44 N                            |

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## Optical Specifications - Connector B

|                         |          |
|-------------------------|----------|
| Insertion loss, typical | 0.1 dB   |
| Insertion loss, max.    | 0.3 dB   |
| Reflectance, typical    | ≤ -58 dB |

## Cable Design

|                               |               |
|-------------------------------|---------------|
| Fibre count                   | 2             |
| Outer diameter                | 2 mm x 4.1 mm |
| Outer jacket colour           | Yellow        |
| Outer jacket material         | LSZH™/FRNC    |
| Minimum Bend Radius           | 30 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                 | E9/125 SMF28e+®                      |
| Fibre core diameter        | 9 µm                                 |
| Fibre Category             | OS2                                  |
| Fibre code                 | E                                    |
| Wavelengths                | 1310 nm / 1383 nm / 1550 nm          |
| Linear Attenuation         | 0.38 dB/km / 0.38 dB/km / 0.25 dB/km |
| Serial 1 gigabit ethernet  | 5000 m / - / -                       |
| Serial 10 gigabit ethernet | 10000 m / - / 40000 m                |
| Cable cutoff wavelength    | 1260 nm                              |

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.  
2) Improved attenuation and bandwidth options available  
3) Bend-insensitive single-mode fibres available on request.  
4) Contact a Corning Customer Care Representative for additional information

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## Ordering Information

|                     |                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Part Number         | 040402R5Z20003M                                                                                                                        |
| Product Description | LC Duplex to LC Duplex patch cord on 2-fibres Zipcord cable, with 2 mm legs, and a low-smoke, zero-halogen sheath. Length is variable. |
| EAN Code            | 4042673140382                                                                                                                          |
| Length              | 3 m                                                                                                                                    |
| Weight              | 0.0315 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                      |



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