

# LC to LC Patch cord, 1 fibre, tight-buffered cable, LSZH, 2.0 mm legs

Single-mode (OS2), 10 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 and 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 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

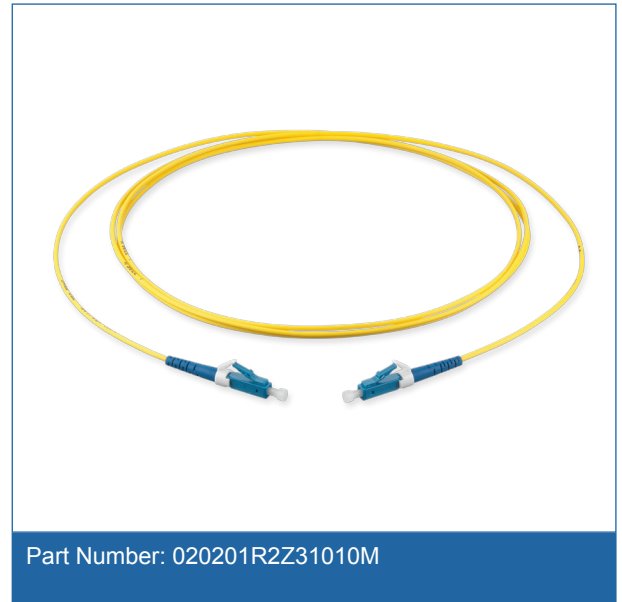
### Cable

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 | Single Fibre      |
| Fibre Category      | Single-mode (OS2) |

### Temperature Range

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

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## Design - Connector A

|                  |            |
|------------------|------------|
| Connector Type   | LC         |
| Ferrule Material | Ceramic    |
| Polish           | UPC        |
| Housing Material | Composite  |
| Keyed (security) | No         |
| Housing Colour   | blue       |
| Boot Type        | Individual |
| Boot Colour      | blue       |

## 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         |
| Ferrule Material | Ceramic    |
| Polish           | UPC        |
| Housing Material | Composite  |
| Housing Colour   | blue       |
| Boot Type        | Individual |
| Boot Colour      | blue       |
| 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    | $\leq -58$ dB |

## Cable Design

|                               |              |
|-------------------------------|--------------|
| Fibre Count                   | 1            |
| Outer diameter                | 2 mm         |
| Outer Jacket Colour           | yellow       |
| Outer Jacket Material         | LSZH™/FRNC   |
| Minimum Bend Radius           | 30 mm        |
| Crush Resistance (reversible) | 1000 N/10 cm |
| Tensile strength              | 150 N        |

## Chemical characteristics

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

## Fibre Specifications

### Optical Characteristics (cabled)

|                            |                                      |
|----------------------------|--------------------------------------|
| Fibre Name                 | E9/125 SMF28e+                       |
| Fibre Core Diameter        | 9 $\mu$ m                            |
| Fibre Category             | OS2                                  |
| Fibre Code                 | U                                    |
| 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™/Pretium 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         | 020201R2Z31010M                                                                                                                     |
| Product Description | LC to LC patch cord on single-fibre cable, with an outer diameter of 2 mm and a low-smoke, zero-halogen sheath. Length is variable. |
| EAN Code            | 4042673123217                                                                                                                       |
| Length              | 10 m                                                                                                                                |
| Weight              | 0.05 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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