

# ST® Compatible to ST® Compatible Patch cord, 2 fibres, zipcord tight-buffered cable, LSZH, 2.8 mm legs

50 µm Clearcurve® multimode (OM2), 2 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

- ST® connector according to TIA/EIA-604 -2
- 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-604-2 / TIA/EIA-604-2

## Specifications

| General Specifications |                |
|------------------------|----------------|
| Flame Rating           | LSZH/FRNC      |
| Cable Assembly Type    | Two Fibre      |
| Fibre Category         | 50 µm MM (OM2) |



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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

|                  |                            |
|------------------|----------------------------|
| Connector Type   | ST <sup>®</sup> Compatible |
| Ferrule          | Ceramic                    |
| Polishing        | UPC                        |
| Housing material | Composite                  |
| Housing Colour   | Nickel                     |
| Boot Type        | individual                 |
| Boot Colour      | Black                      |
| Keyed (security) | No                         |

## Mechanical Specifications - Connector

|                                 |                                  |
|---------------------------------|----------------------------------|
| Durability                      | ≤ 0.2 dB 1000 rematings, FOTP-21 |
| Tensile strength jacketed cable | 44 N                             |

## Optical Specifications - Connector A

|                         |         |
|-------------------------|---------|
| Insertion Loss, Typical | 0.35 dB |
| Insertion loss, max.    | 0.5 dB  |

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## Design - Connector B

|                  |                            |
|------------------|----------------------------|
| Connector Type 2 | ST <sup>®</sup> Compatible |
| Ferrule          | Ceramic                    |
| Polishing        | UPC                        |
| Housing material | Composite                  |
| Housing Colour   | Nickel                     |
| Boot Type        | individual                 |
| Boot Colour      | black                      |
| Keyed (security) | No                         |

## 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 | 0.35 dB |
| Insertion loss, max.    | 0.5 dB  |

## Cable Design

|                       |               |
|-----------------------|---------------|
| Fibre Count           | 2             |
| Outer diameter        | 2.8 mm 5.7 mm |
| Outer jacket colour   | Orange        |
| Outer jacket material | LSZH/FRNC     |
| Minimum bend radius   | 14 mm         |
| Crush Resistance      | 1000 N/10cm   |
| Tensile strength      | 400 N         |

## Chemical characteristics

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

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## Ordering Information

|                     |   |
|---------------------|---|
| Order Number        | 505002B5Z31002M   |
| Product description | ST® Compatible to ST® Compatible patch cord on 2-fiber Zipcord cable, with 2.8 mm legs, and a low-smoke, zero-halogen sheath. Length is variable. |
| Length              | 2 m   |
| Weight              | 0.042 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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