

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

Single-mode (OS2), 1 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 | SM (OS2) |



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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 | ST® Compatible |
| Ferrule | Ceramic |
| Polish | UPC |
| Housing material | Composite |
| Housing Colour | Nickel |
| Boot Type | individual |
| Boot Colour | Blue |
| Keyed (security) | No |

Mechanical Specifications - Connector A

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

Optical Specifications - Connector A

| | |
|-------------------------|----------|
| Insertion Loss, Typical | 0.15 dB |
| Insertion loss, max. | 0.4 dB |
| Reflectance, typical | ≤ -59 dB |

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Design - Connector B

| | |
|------------------|----------------|
| Connector Type | ST® Compatible |
| Ferrule | Ceramic |
| Polish | UPC |
| Housing material | Composite |
| Housing Colour | Nickel |
| Boot Type | individual |
| Boot Colour | blue |
| 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 | 0.15 dB |
| Insertion loss, max. | 0.4 dB |
| Reflectance, typical | ≤ -59 dB |

Cable Design

| | |
|-----------------------|---------------|
| Fibre Count | 2 |
| Outer diameter | 2.8 mm 5.7 mm |
| Outer jacket colour | Yellow |
| Outer jacket material | LSZH/FRNC |
| Minimum bend radius | 30 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 | 616102R5Z31001M |
| 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 | 1 m |
| Weight | 0.026 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 Cable Systems GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, Germany

TEL: 00800-2676-4641 (00800-CORNING1) · FAX: +49-30-5303-2335 · www.corning.com/cablesystems/emea

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