

SC Duplex to SC Duplex Patch cord, 2 fibres, zipcord tight-buffered cable, LSZH, 2.8 mm legs

Single-mode (OS2 XB), 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

- SC Duplex connector according to TIA/EIA-604 -3
- 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 – turkquoise; OS2 – yellow



Part Number: 727202H5Z31001M

Standards

Intermateability TIA/EIA-604-3 / TIA/EIA-604-3

Specifications

| General Specifications | |
|------------------------|------------------------|
| Flame Rating | LSZH/FRNC |
| Cable Assembly Type | Two Fibre |
| Fibre Category | Bend-improved 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 | SC duplex |
| Ferrule | 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 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 | SC duplex |
| Ferrule | 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 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 | 14 mm |
| Crush Resistance (reversible) | 1000 N/10cm |
| Tensile strength | 400 N |

Chemical characteristics

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

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Fibre Specifications

| Optical Characteristics (cabled) | |
|----------------------------------|---|
| Fibre Name | E9/125 ClearCurve® XB |
| Fibre Type | Single-mode |
| Fibre Core Diameter | 9 µm |
| Fibre Category | OS2 Bend-Improved |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Maximum 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 |
| Standards in Compliance | TIA/EIA 492-CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652 D, ISO/IEC 11801 Cat. OS2 |
| Fibre Code | N |

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

Ordering Information

| | |
|---------------------|---|
| Part Number | 727202H5Z31001M |
| Product Description | SC Duplex to SC Duplex patch cord on 2-fibre Zipcord cable, with 2.8 mm legs, and a low-smoke, zero-halogen sheath. Length is variable. |
| Length | 1 m |
| Weight | 0.024 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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The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

Notes



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