

SC APC to SC APC Patch cord, 1 fibre, tight-buffered cable, LSZH, 2.8 mm legs

single-mode (OS2), 6 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.

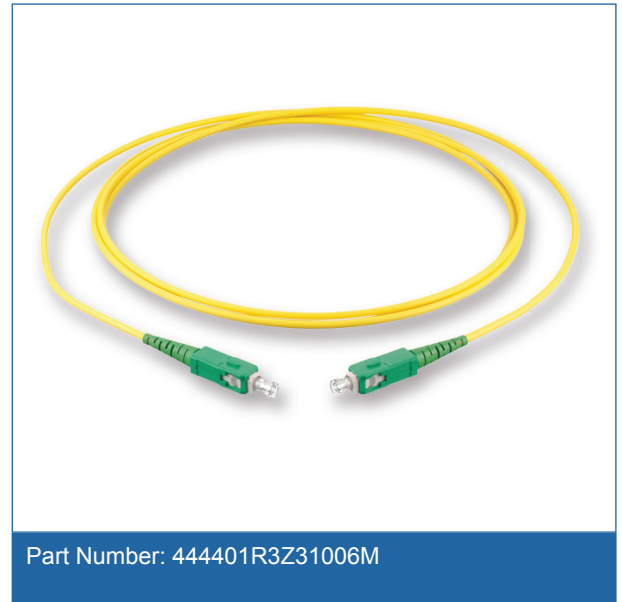
Features and Benefits

Connectors

- SC 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-equalization problems. Completely dry design (without gel)
- Colour of outer sheath: OM1, OM2 – orange; OM3, OM4 – turquoise; OS2 – yellow



Standards

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

Specifications

| General Specifications | |
|------------------------|-------------------|
| Flame rating | LSZH™/FRNC |
| Cable assembly type | Single 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 | SC |
| Ferrule Material | Ceramic |
| Polish | APC |
| Housing material | Composite |
| Housing Colour | Green |
| Boot type | Individual |
| Boot colour | Green |
| 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 | > -65 dB |

Design - Connector B

| | |
|------------------|------------|
| Connector type | SC |
| Ferrule Material | Ceramic |
| Polish | APC |
| Housing material | Composite |
| Housing Colour | Green |
| Boot type | Individual |
| Boot colour | Green |
| Keyed (security) | No |

Mechanical Specifications - Connector B

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

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Optical Specifications - Connector B

| | |
|-------------------------|---------------|
| Insertion loss, typical | 0.15 dB |
| Insertion loss, max. | 0.4 dB |
| Reflectance, typical | ≤ -65 dB |

Cable Design

| | |
|-------------------------------|--------------|
| Fibre count | 1 |
| Outer diameter | 2.8 mm |
| Outer jacket colour | Yellow |
| Outer jacket material | LSZH™/FRNC |
| Minimum Bend Radius | 30 mm |
| Crush resistance (reversible) | 1000 N/10 cm |
| Tensile strength | 200 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 | 444401R3Z31006M |
| Product Description | SC Angled to SC Angled patch cord on single-fibre cable, with an outer diameter of 2.8 mm and a low-smoke, zero-halogen sheath. Length is variable. |
| EAN Code | 4056418608396 |
| Length | 6 m |
| Weight | 0.06 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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