SMF-28[®] Ultra single-mode (OS2), 3 m

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



Intermateability

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

Specifications

| General Specifications | |
|------------------------|---------------------|
| Flame rating | LSZH™/FRNC |
| Cable assembly type | Two Fibre |
| Fibre Category | SMF-28® Ultra fibre |

| Temperature Range | |
|---------------------------|-----------------|
| Operation | -10 °C to 60 °C |
| Installation and assembly | -5 °C to 50 °C |
| Storage | -10 °C to 60 °C |

CORNING



SMF-28[®] Ultra single-mode (OS2), 3 m

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

CORNING

SMF-28[®] Ultra single-mode (OS2), 3 m

| Optical Specifications - Connector B | |
|--------------------------------------|----------|
| Insertion loss, typical | 0.15 dB |
| Insertion loss, max. | 0.4 dB |
| Reflectance, typical | ≤ -65 dB |

| Cable Design | |
|-------------------------------|-----------------|
| Outer diameter | 2.8 mm x 5.7 mm |
| Fibre count | 2 |
| Outer jacket colour | Yellow |
| Outer jacket material | LSZH™/FRNC |
| Minimum Bend Radius | 10 mm |
| Crush resistance (reversible) | 1000 N/10 cm |
| Tensile strength | 400 N |

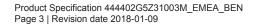
RoHS

Free of hazardous substances according to RoHS 2011/65/EU

Fibre Specifications

| Optical Characteristics (cabled) | |
|---|--|
| Fibre name | SMF-28 [®] Ultra TB Cable Optical Fibre |
| Mode-Field Diameter at 1310 nm | 9.2 µm |
| Fibre code | Z |
| Coating diameter | 242 µm |
| Cladding diameter | 125 µm |
| 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 |
| Dispersion in the range 1285 to 1330 nm | ≤ 3.5 ps / (nm * km) |
| Dispersion @ 1550 nm | ≤ 18 ps / (nm * km) |
| PMD Link Design Value | ≤ 0.04 PS / √km |
| PMD maximum individual fibre | ≤ 0.1 PS / √km |
| Fibre compliance | ITU-T G.652.D and ITU-T G.657.A1 |

Notes: 1) Contact a Corning Customer Care Representative for additional information





SMF-28[®] Ultra single-mode (OS2), 3 m

Fibre Specifications

| Optical Characteristics (cabled) | |
|----------------------------------|----------------------------------|
| PMD maximum individual fibre | ≤ 0.1 PS / √km |
| Fibre compliance | ITU-T G.652.D and ITU-T G.657.A1 |

Notes: 1) Contact a Corning Customer Care Representative for additional information

Ordering Information

| Part Number | 444402G5Z31003M |
|---------------------|--|
| Product Description | SC Angled to SC Angled patch cord on 2-fibers Zipcord cable, with 2.8 mm legs, and a low-smoke, zero-halogen sheath. Length is variable. |
| EAN Code | 4056418608501 |
| Length | 3 m |
| Weight | 0.058 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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