

## FO patch cable - FL SM PATCH 5,0 ST-ST - 2901838

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Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 µm (OS2, Low Water Peak Fiber), connector: B-FOC(ST®)/B-FOC(ST®), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 5 m



### Why buy this product

- ✓ Single-mode patch cable for indoor installation
- ✓ Ideal for use in distributor systems and for connecting termination devices
- ✓ 2.8 mm single elements made from halogen-free and flame-retardant material

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 STK                                                                                                   |
| GTIN         | <br>4 046356 634113 |
| GTIN         | 4046356634113                                                                                           |

### Technical data

#### Cable type

|                    |                        |
|--------------------|------------------------|
| Cable abbreviation | I-V(ZN)H               |
| Cable type         | Single-mode fiberglass |

#### Ambient conditions

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| Ambient temperature (operation)         | -5 °C ... 70 °C                                 |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C                                |
| Ambient temperature (installation)      | -5 °C ... 50 °C                                 |
| Resistance to oil                       | Not resistant to oil, gasoline, acids, and lyes |

#### External sheath

|                                         |                             |
|-----------------------------------------|-----------------------------|
| Outer sheath, material                  | FRNC                        |
| External sheath, color                  | yellow                      |
| External sheath, strain relief elements | Non-metallic, aramide fiber |
| External diameter max.                  | 5.7 mm                      |

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## Technical data

### External sheath

|                        |        |
|------------------------|--------|
| External diameter min. | 2.8 mm |
|------------------------|--------|

### Single wire

|                                     |                              |
|-------------------------------------|------------------------------|
| Single wires, quantity              | 2                            |
| Individual wire, diameter           | 900 µm                       |
| Single wire, strain relief elements | Non-metallic, aramide fibers |

### Mechanical properties

|                                       |            |
|---------------------------------------|------------|
| Bending radius short term/long term   | 30 mm      |
| Bending radius, long-term             | 60 mm      |
| Lateral pressure, long-term           | 60.00 N/cm |
| Tensile strength short-term/long-term | 600 N      |
| Cable, attenuation                    | 0.38 dB/km |
|                                       | 0.28 dB/km |

### General

|                                         |             |
|-----------------------------------------|-------------|
| Conductor length                        | 5 m         |
| Cable weight                            | 15.80 kg/km |
| Transmission characteristics (category) | OS2         |
| Transmission speed                      | 10 Gbps     |

### Behavior in fire

|                        |                              |
|------------------------|------------------------------|
| Flame resistance       | according to DIN 60332-1-2   |
|                        | IEC 60332-3-22 (Cat. A)      |
| Concentration of fumes | in accordance with IEC 61034 |
| Halogen-free           | According to IEC 60754-2     |
| Behavior in fire       | No corrosive or toxic fumes  |
|                        | 0.36 MJ/m                    |

### Attenuation

|         |            |
|---------|------------|
| 1300 nm | 0.38 dB/km |
| 1550 nm | 0.28 dB/km |

### Standards and Regulations

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Concentration of fumes | in accordance with IEC 61034                    |
| Flame resistance       | according to DIN 60332-1-2                      |
|                        | IEC 60332-3-22 (Cat. A)                         |
| Resistance to oil      | Not resistant to oil, gasoline, acids, and lyes |
| Halogen-free           | According to IEC 60754-2                        |
| Behavior in fire       | No corrosive or toxic fumes                     |
|                        | 0.36 MJ/m                                       |

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