

## 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



### Product Features

- 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



### Key Commercial Data

|                                      |                |
|--------------------------------------|----------------|
| Packing unit                         | 1 pc           |
| Weight per Piece (excluding packing) | 10.0 g         |
| Custom tariff number                 | 85447000       |
| Country of origin                    | Czech Republic |

### 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 |

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## Technical data

### External sheath

|                        |        |
|------------------------|--------|
| External diameter max. | 5.7 mm |
| External diameter min. | 2.8 mm |

### Single wire

|                                     |                              |
|-------------------------------------|------------------------------|
| Individual wires per module         | 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 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                            | 15.8 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                    |
| 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                                       |
| Flame resistance       | According to DIN 60332-1-2                      |

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### Standards and Regulations

|  |                         |
|--|-------------------------|
|  | IEC 60332-3-22 (Cat. A) |
|--|-------------------------|

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27061003 |
| eCl@ss 5.0 | 27061003 |
| eCl@ss 5.1 | 27061003 |
| eCl@ss 6.0 | 27259207 |
| eCl@ss 7.0 | 27259207 |
| eCl@ss 8.0 | 27061003 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000034 |
| ETIM 3.0 | EC000034 |
| ETIM 4.0 | EC000034 |
| ETIM 5.0 | EC001263 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121607 |
| UNSPSC 7.0901 | 26121607 |
| UNSPSC 11     | 26121607 |
| UNSPSC 12.01  | 26121607 |
| UNSPSC 13.2   | 26121607 |

## Accessories

### Accessories

#### Adapter

Fiber optic coupling - PSM-SET-BFOC-LINK/2 - 2799429



Coupling; set consisting of 2 couplings for connecting B-FOC plugs

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### Accessories

Fiber optic coupling - FL SM PATCH COUPLER LC-LC - 2700313



Coupling, LC/LC, can be used for single mode glass fibers

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Fiber optic coupling - FL COUPLER SC-DUPLEX - 2901788



Coupling, SC duplex/SC duplex, compatible with multi-mode and single mode glass fibers, PCF, and polymer fibers

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Fiber optics connector (device side)

SC-RJ female insert - VS-SCRJ-GOF-BU/BU - 1652978



SC-RJ socket insert, duplex, for VS-A-F-IP67 panel mounting frame, can be used for fiberglass (multi-mode and single mode), PCF, and polymer fibers

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