

## FO patch cable - FL SM PATCH 2,0 SC-ST - 2901833

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 µm (OS2, Low Water Peak Fiber) connector: SC duplex/B-FOC(ST®), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 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 634847 |
| GTIN         | 4046356634847                                                                                           |

### 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                      |

# FO patch cable - FL SM PATCH 2,0 SC-ST - 2901833

## 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                        | 2 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                                       |

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>