

## FO patch cable - FL SM PATCH 5,0 SC-SC - 2901831

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Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 µm (OS2, Low Water Peak Fiber)  
connector: SC duplex/SC duplex, 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)	100.0 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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## Technical data

### Standards and Regulations

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

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#### 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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