



**Automatización Eléctrica**  
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

## FO patch cable - FL SM PATCH 5,0 LC-SC - 2901827

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>)



### 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

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 634168

### 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
External diameter min.	2.8 mm

#### Single wire

Individual wires per module	2
Individual wire, diameter	900 µm

# FO patch cable - FL SM PATCH 5,0 LC-SC - 2901827

## Technical data

### Single wire

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
	IEC 60332-3-22 (Cat. A)

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27061003
eCl@ss 5.0	27061003

## FO patch cable - FL SM PATCH 5,0 LC-SC - 2901827

### Classifications

#### eCl@ss

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

Phoenix Contact 2016 © - 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>



Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Assembled FO cable, break out cable, single mode fiberglass 9/125 $\mu\text{m}$ , connector: LC / SC Duplex, protection type: IP20, for installation in cable ducts or control cabinets, length: 5 m	2901827	FL SM PATCH 5,0 LC-SC	<a href="#">Buy on EAN</a>