

## FO patch cable - FOC-SC:A-SC:A-GZ01/1 - 1409798

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 FO cable, zip cord cable, multi-mode fiberglass 50/125 µm, OM2, plug: SC duplex/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

### Your advantages

- ✓ Multi-mode patch cable for indoor installation
- ✓ Ideal for use in distributor systems and for connecting termination devices
- ✓ All components satisfy UL 94, V0
- ✓ 2.8 mm single elements made from halogen-free and flame-retardant material
- ✓ Interferometer tests at every stage of the certification process
- ✓ Excellent mechanical and optical properties
- ✓ Satisfies optical and mechanical industry standards
- ✓ Connector with UPC polishing for optimum attenuation values
- ✓ Insertion loss ≤ 0.5 dB
- ✓ Return loss ≥ 35 dB
- ✓ Comprehensively tested according to IEC 61753-122-2 and IEC 61753-1 Cat. C
- ✓ Temperature fluctuation test according to IEC 61300-2-1
- ✓ Vibration test according to IEC 61300-2-1
- ✓ Tensile strength of the cable connection according to IEC 61300-2-5



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 882347
GTIN	4046356882347

### Technical data

#### Mechanical characteristics

Insertion/withdrawal cycles	≥ 500
Weight	22.22 g

# FO patch cable - FOC-SC:A-SC:A-GZ01/1 - 1409798

## Technical data

### Ambient conditions

Ambient temperature (operation)	-10 °C ... 60 °C
Ambient temperature (assembly)	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-10 °C ... 60 °C

### Electrical characteristics

Lateral strength	60 N/cm
------------------	---------

### Standards and Regulations

Flame resistance	yes
Halogen-free	complying with IEC 60754-1/2
Flammability rating according to UL 94	V0

### Line characteristics

Type of cable	Zip cord
Cable type	Fiberglass
Cable abbreviation	I-V(ZN)H
External cable diameter	2.8 mm (Zip cord)
Wire colors	-
External sheath, color	orange
Wavelength	850, 1300 nm
Transmission medium	Multi-mode fiberglass
Number of fibers	2
Fiber type	Multi-mode 50/125 µm fiberglass
Fiber	50/125 µm
Cable, attenuation	2.7 dB/km (at 850 nm); 0.8 dB/km (at 1300 nm)
Outer sheath, material	LSZH
Cable weight	15.80 kg/km
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Tensile strength short-term/long-term	600 N
cable layer type	Indoors
Flame resistance	yes
Halogen-free	complying with IEC 60754-1/2

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

# FO patch cable - FOC-SC:A-SC:A-GZ01/1 - 1409798

## Classifications

### eCl@ss

eCl@ss 10.0.1	27061003
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27061003
eCl@ss 9.0	27061003

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC000034
ETIM 5.0	EC001263
ETIM 6.0	EC001263
ETIM 7.0	EC001263

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	26121607
UNSPSC 18.0	26121607
UNSPSC 19.0	26121607
UNSPSC 20.0	26121607
UNSPSC 21.0	26121607

## Approvals

### Approvals

---

Approvals

UL Listed / EAC

---


Ex Approvals


---

### Approval details

## FO patch cable - FOC-SC:A-SC:A-GZ01/1 - 1409798

### Approvals

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E308814-20070105
-----------	-----------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------

EAC		B.01742
-----	-----------------------------------------------------------------------------------	---------

Phoenix Contact 2020 © - 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>