

# FOC-SC:A-LC:A-GZ03/2 - FO patch cable



1400681

<https://www.phoenixcontact.com/us/products/1400681>

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Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125  $\mu\text{m}$ , OM4, plug: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 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  $\leq 0.5$  dB
- Return attenuation  $\geq 35$  dB

## Commercial data

Item number	1400681
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB16
Product key	ABNIBC
GTIN	4046356734905
Weight per piece (including packing)	53.5 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85447000
Country of origin	DE

## Technical data

### Product properties

Product type	Data cable preassembled
Number of positions	2
No. of conductors	2

### Electrical properties

Attenuation	≤ 0.5 dB (with 850 nm)
	≤ 0.5 dB (with 1300 nm)
Transmission medium	Multi-mode fiberglass

### Mechanical properties

Tensile strength short-term/long-term	50 N
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#### Mechanical data

Smallest bending radius	30 mm
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### Material specifications

Color	violet
Flammability rating according to UL 94	V0
Ferrule material	Zirconia ceramics

### Dimensions

#### External dimensions

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

### Connector

#### Connection 1

Type	Plug straight SC duplex
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#### Connection 2

Type	Plug straight LC
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### Cable/line

Cable length	2.00 m
Cable weight	8.30 kg/km
Cable type	Fiberglass
Cable type	Zip cord
External cable diameter	2.00 mm (Zip cord)
Outer sheath, material	LSZH
External sheath, color	violet
Wire diameter incl. insulation	900 µm

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Individual wire diameter	900 µm (low-bend)
Single wire, color	-
Tensile strength short-term/long-term	600 N
Smallest bending radius, fixed installation	15 mm
Smallest bending radius, movable installation	30 mm
Cable, attenuation	2.5 dB/km (at 850 nm), 0.7 dB/km (at 1300 nm)
Halogen-free	complying with IEC 60754-1/2
Flame resistance	yes

## FO cable

Number of fibers	2
Fiber	50/125 µm
Fiber type	Multimode fiberglass 50/125 µm
Cable, attenuation	2.5 dB/km (at 850 nm), 0.7 dB/km (at 1300 nm)
Transmission medium	Multi-mode fiberglass

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-10 °C ... 60 °C
Ambient temperature (storage/transport)	-10 °C ... 60 °C
Ambient temperature (assembly)	-5 °C ... 50 °C
Ambient temperature (installation)	-5 °C ... 50 °C

## Standards and regulations

Flame resistance	yes
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## Classifications

### UNSPSC

UNSPSC 21.0	26121607
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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