

# FOC-LC:PA-SC:PA-OM3:D01/2 - FO patch cable



1185481

<https://www.phoenixcontact.com/us/products/1185481>

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Multi-mode OM3 duplex jumper, LC-SC, UPC polishing, length 2 m



## Your advantages

- Comprehensively tested according to IEC 61753-122-2 and IEC 61753-1 Cat. C
- Temperature change test in accordance with IEC 61300-2-1
- Vibration test according to IEC 61300-2-1
- Tensile strength of the cable connection according to IEC 61300-2-5
- Multimode patch cable with outstanding optical and mechanical properties for indoor installation
- Ideal for use in distributor systems and for connecting termination devices
- Fire protection with LSZH sheath and UL 94 V0 components
- Interferometer tests at every stage of the certification process
- Satisfies optical and mechanical industry standards
- Connector with UPC polishing for optimum attenuation values

## Commercial data

Item number	1185481
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB16
Product key	ABNIBC
GTIN	4063151225827
Weight per piece (including packing)	32.5 g
Weight per piece (excluding packing)	32.5 g
Customs tariff number	85447000
Country of origin	CN

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## Technical data

### Product properties

Product type	Data cable preassembled
Number of positions	2

### Electrical properties

Transmission medium	Multi-mode fiberglass
Transmission speed	10 Gbps
Transmission speed	10 Gbps

### Mechanical properties

Tensile strength short-term/long-term	70 N
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### Material specifications

Flammability rating according to UL 94	V0
Outer sheath, material	LSZH

### Dimensions

#### External dimensions

External diameter min.	2 mm
External diameter max.	4 mm

### Connector

#### Connection 2

Type	Plug SC duplex
Degree of protection	IP20

### Cable/line

Cable length	2.00 m
Cable weight	5.30 kg/km
Cable type	Multimode fiberglass
Cable type	Non-metallic , thermoplastic low smoke halogen-free polyolefin
Cable abbreviation	I-V(ZN)H
Cable structure	Figure 8 cable
Outer sheath, material	LSZH
External sheath, color	aqua
Single wire, number of litz wires	2
Individual wire diameter	900 µm
Bending radius, long-term	50 mm
Bending radius short term/long term	30 mm
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	7.5 mm

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Tensile strength short-term/long-term	70 N
Lateral pressure, long-term	100.00 N/cm
Halogen-free	complying with IEC 60754-1/2
Resistance to oil	Not resistant to oil, gasoline, acids, and lyes
Concentration of fumes	in accordance with IEC 61034
Flame resistance	yes
Behavior in fire	No corrosive or toxic fumes

## FO cable

Number of fibers	2
Fiber	50/125 µm
Fiber type	Multimode fiberglass 50/125 µm
Cable, attenuation	3.5 dB/km (850 nm) , 1.5 dB/km (1300 nm)
Attenuation	≤ 3.5 dB/km (with 850 nm)
Transmission medium	Multi-mode fiberglass

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 60 °C
Ambient temperature (assembly)	-20 °C ... 60 °C
Ambient temperature (installation)	-20 °C ... 60 °C
Resistance to oil	Not resistant to oil, gasoline, acids, and lyes

## Standards and regulations

Behavior in fire	No corrosive or toxic fumes
Flame resistance	yes
Resistance to oil	Not resistant to oil, gasoline, acids, and lyes
Concentration of fumes	in accordance with IEC 61034

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## Approvals

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**EAC**

Approval ID: 19060508

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## Classifications

### ECLASS

ECLASS-13.0	27061003
ECLASS-15.0	27061003

### ETIM

ETIM 10.0	EC002700
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### UNSPSC

UNSPSC 21.0	26121600
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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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