

FOC-ST:A-LC:A-GZ02/2 - FO patch cable



1400702

<https://www.phoenixcontact.com/pc/products/1400702>

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Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 µm, OM3, plug: LC/B-FOC (ST), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 m

Your advantages

- Multi-mode patch cable for indoor installation
- 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 attenuation ≥ 35 dB

Commercial data

Item number	1400702
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABNIBC
Catalog page	Page 419 (C-2-2019)
GTIN	4046356735049
Weight per piece (including packing)	48.1 g
Weight per piece (excluding packing)	48.1 g
Customs tariff number	85447000
Country of origin	DE

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Technical data

Product properties

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

Dimensions

External dimensions

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

Material specifications

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

Connector

Connection 1

Type	Plug straight B-FOC (ST)
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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
Short symbol	I-V(ZN)H
Cable type	Zip cord
External cable diameter	2.00 mm (Zip cord)
Outer sheath, material	LSZH
External sheath, color	aqua
Wire diameter incl. insulation	900 µm
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

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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	Multi-mode 50/125 µm fiberglass
Cable, attenuation	2.5 dB/km (at 850 nm), 0.7 dB/km (at 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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Characteristics

Attenuation	≤ 0.5 dB (with 850 nm)
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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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Mounting

cable layer type	Indoors
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Classifications

ECLASS

ECLASS-11.0	27061003
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UNSPSC

UNSPSC 21.0	26121607
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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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