

# FOC-ST:A-SJ:A-GZ01/... - FO patch cable



1405710

<https://www.phoenixcontact.com/us/products/1405710>

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Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125  $\mu\text{m}$ , OM2, plug: B-FOC (ST)/SC-RJ, degree of protection: IP20, for installation in cable ducts or control cabinets



## Your advantages

- 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	1405710
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB50
Product key	ABNIBC
Customs tariff number	85447000
Country of origin	DE

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## Technical data

### Product properties

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

### Electrical properties

Attenuation	≤ 0.5 dB (with 850 nm)
	≤ 0.5 dB (with 1300 nm)
Transmission medium	Multi-mode fiberglass
Transmission speed	1 Gbps
Transmission speed	1 Gbps

### 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	orange
Flammability rating according to UL 94	V0
Ferrule material	Zirconia ceramics
Housing material	Plastic
Outer sheath, material	FRNC

### Dimensions

#### External dimensions

External diameter min.	2 mm
External diameter max.	4.2 mm

#### Mechanical characteristics

Ferrule diameter	2.50 mm
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### Connection data

#### Connection technology

Connection method	SC-RJ
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#### Conductor connection

Connection method	SC-RJ
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### Connector

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## Connection 1

Type	Plug straight 2x ST
Degree of protection	IP20

## Connection 2

Type	Plug straight SC-RJ
Degree of protection	IP20

## Cable/line

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	orange
Wire diameter incl. insulation	900 µm
Individual wire diameter	900 µm
Single wire, color	-
Tensile strength short-term/long-term	600 N
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Cable, attenuation	2.7 dB/km (at 850 nm); 0.8 dB/km (at 1300 nm)
Halogen-free	complying with IEC 60754-1/2
Flame resistance	yes

## FO cable

Number of fibers	2
Fiber	Fiberglass
Fiber type	Multimode fiberglass 50/125 µm
Cable, attenuation	3 dB/km (at 850 nm), 1 dB/km (at 1,300 nm)
Transmission medium	Multi-mode fiberglass

## Standards and regulations

Flame resistance	yes
Resistance to oil	no

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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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