

FOC-ST:A-ST:A-GZ04/... - FO patch cable



1413821

<https://www.phoenixcontact.com/us/products/1413821>

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Assembled FO cable, zip cord cable, multi-mode fiberglass 62.5/125 μm , OM1, connector: B-FOC (ST)/B-FOC (ST), 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 | 1413821 |
| 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 |
|---------------------------------------|------|

Mechanical data

| | |
|-------------------------|-------|
| Smallest bending radius | 30 mm |
|-------------------------|-------|

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 |
|------------------|---------|

Connector

Connection 1

| | |
|----------------------|---------------------|
| Type | Plug straight 2x ST |
| Degree of protection | IP20 |

Connection 2

| | |
|----------------------|--------------------------|
| Type | Plug straight B-FOC (ST) |
| Degree of protection | IP20 |

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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 |
| 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 | 3.2 dB/km (at 850 nm); 0.9 dB/km (at 1300 nm) |
| Halogen-free | According to IEC 60754-2 |
| Flame resistance | yes |

FO cable

| | |
|---------------------|---|
| Number of fibers | 2 |
| Fiber | 62.5/125 µm |
| Fiber type | Multimode |
| Cable, attenuation | 3.2 dB/km (at 850 nm); 0.9 dB/km (at 1300 nm) |
| Transmission medium | Multi-mode fiberglass |

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 70 °C |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 55 °C |
| Resistance to oil | no |

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 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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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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