

FOC-ST:A-SJ:C-HB02/13 PR - FO patch cable



1426160

<https://www.phoenixcontact.com/us/products/1426160>

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Assembled FO cable, PROFINET cable type B, 200/230 µm PCF fiber, SC-RJ/IP67 push-pull metal housing to BFOC(ST)/IP20, PVC outer sheath, halogen-free, ozone and UV-resistant, in conduit, for fixed indoor installation, length: 13 m



Your advantages

- Reliable even in EMC-sensitive applications
- Fast data transmission for demanding applications
- Flexible installation, thanks to PVC outer sheath
- Including individual test report
- Universal installation cables for fixed installation indoors and outdoors (direct underground installation not permitted)
- Additional line protection thanks to protective tube
- 2.2 mm single-core wires made from extremely hard-wearing polyvinyl chloride (PVC)
- PROFINET type B for flexible use
- Robust cable for use in harsh environments

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1426160 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB17 |
| Product key | ABNOBB |
| Catalog page | Page 217 (C-4-2019) |
| GTIN | 4055626447681 |
| Weight per piece (including packing) | 1,392 g |
| Weight per piece (excluding packing) | 1,238 g |
| Customs tariff number | 85447000 |
| Country of origin | DE |

Technical data

Product properties

| | |
|---------------------|-------------------------|
| Product type | Data cable preassembled |
| Number of positions | 2 |
| Application | Standard |

Electrical properties

| | |
|---------------------|------------------------|
| Attenuation | ≤ 2 dB (at 650 nm) |
| | ≤ 1.5 dB (with 850 nm) |
| Transmission medium | PCF fiber |
| Transmission speed | 100 Mbps |

Mechanical properties

| | |
|---------------------------------------|---------------|
| Tensile strength short-term/long-term | 800 N / 100 N |
|---------------------------------------|---------------|

Material specifications

| | |
|------------------------|-------------------|
| Ferrule material | Zirconia ceramics |
| Outer sheath, material | PVC |

Dimensions

| | |
|----------------------------|---------|
| External dimensions | |
| External diameter min. | 6.7 mm |
| External diameter max. | 7.7 mm |
| Mechanical characteristics | |
| Ferrule diameter | 2.50 mm |

Connector

| | |
|--------------|--------------------------|
| Connection 2 | |
| Type | Plug straight B-FOC (ST) |

Cable/line

| | |
|---|-----------------------------|
| Cable length | 13.00 m |
| Cable weight | 45 kg/km |
| Short symbol | AT-V(ZN)YY 2K200/230 HCS |
| External cable diameter | 7.2 mm |
| Outer sheath, material | PVC |
| External sheath, strain relief elements | Non-metallic, aramide fiber |
| Single wire, number of litz wires | 2 |
| Single wire, material | PVC |
| Individual wire diameter | 2.2 mm ±0.1 mm |
| Tensile strength short-term/long-term | 800 N / 100 N |

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| | |
|--------------------------------|--|
| Lateral pressure short term | 500 N/cm |
| Lateral pressure, long-term | 300 N/cm |
| Bending radius, single element | 30 mm (Short-term) |
| | 30 mm (Short-term) |
| Bending radius, entire cable | 70 mm (Short-term) |
| | 70 mm (Short-term) |
| 660 nm | 10 dB/km |
| 850 nm | 8 dB/km |
| Resistance to oil | very good oil and chemical resistance |
| Behavior in fire | Flame-resistant as per IEEE and IEC 60 332-3 test type C |

FO cable

| | |
|---------------------|--|
| Number of fibers | 2 |
| Fiber | 200/230 µm |
| Fiber type | PCF fiber A3C |
| Cable, attenuation | 10 dB/km (650 nm), 8 dB/km (at 850 nm) |
| Transmission medium | PCF fiber |

Environmental and real-life conditions

Ambient conditions

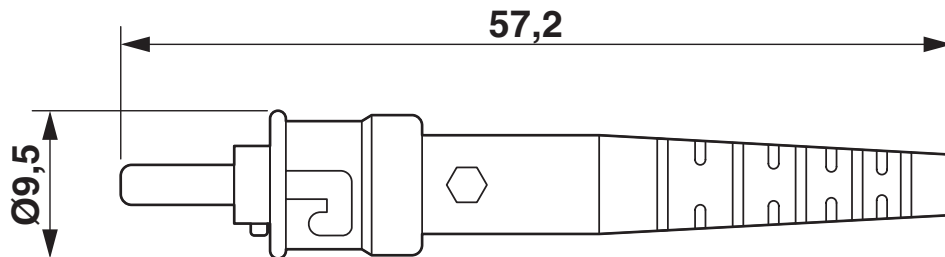
| | |
|---|------------------|
| Degree of protection | IP67/IP20 |
| Ambient temperature (operation) | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 50 °C |
| Ambient temperature (installation) | -5 °C ... 50 °C |
| Resistance to oil | yes |

Standards and regulations

| | |
|-------------------|---|
| Flame resistance | yes, in accordance with IEC 60332-1-2 and in accordance with IEC 60332-3-22 Cat A |
| Resistance to oil | yes |

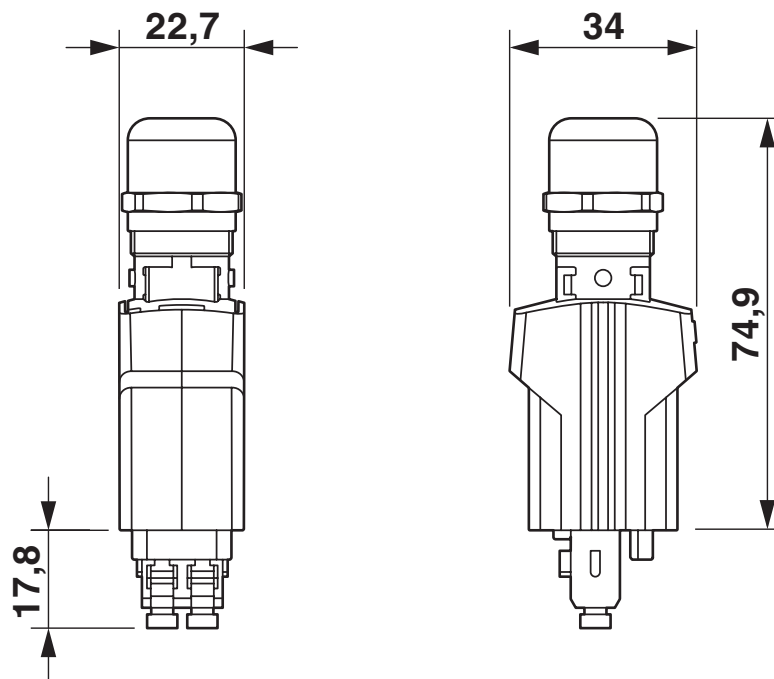
Drawings

Dimensional drawing



ST simplex connector, IP20

Dimensional drawing



Push-Pull SC-RJ connector IP65/67

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Approvals

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EAC

Approval ID: B.01687

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440390 |
| ECLASS-12.0 | 27440390 |
| ECLASS-13.0 | 27440390 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC001121 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

Environmental product compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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Mandatory accessories

FOC-ADAPTER:ST/ST-MM - Fiber optic coupling

1208099

<https://www.phoenixcontact.com/us/products/1208099>



Fiber optic coupling, degree of protection: IP20, number of positions: 1, material: Metal, connection method: Coupling, cable outlet: straight, color: silver/matt, Ethernet

Accessories

FOC-TOOL-FERRULECLEANER-2.50 - FO accessories

1407029

<https://www.phoenixcontact.com/us/products/1407029>



2.50 mm ferrule cleaner, for ST, SC, FC, E2000 (also APC), approx. 500 cleaning cycles

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PSM-SET-BFOC-LINK/2 - Fiber optic coupling

2799429

<https://www.phoenixcontact.com/us/products/2799429>

Coupling; set consisting of 2 couplings for connecting B-FOC plugs



VS-PPC-J-1-SCRJ-MNBK - Fiber optic coupling

1405206

<https://www.phoenixcontact.com/us/products/1405206>

SC-RJ push-pull coupling, IP65, metal, with protective cover, color: nickel-plated



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