

VS-PC-2XPOF-980-SCRJ/SCRJ-2 - FO connecting cable



1645741

<https://www.phoenixcontact.com/us/products/1645741>

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Assembled FO cable, breakout cable, 980/1000 µm polymer fiber, SC-RJ/IP20 to SC-RJ/IP20, for installation inside control cabinets, the cable is suitable for UV-protected outdoor use, length: 2 m

Your advantages

- Reliable data transmission, thanks to high quality
- Fast data transmission for demanding applications
- Particularly suitable in EMC-sensitive applications
- Space savings in the control cabinet, thanks to SC-RJ connectors
- Preassembled patch cable for easy use

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1645741 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB16 |
| Product key | ABNIBA |
| GTIN | 4046356028653 |
| Weight per piece (including packing) | 47.9 g |
| Weight per piece (excluding packing) | 47.9 g |
| Customs tariff number | 85447000 |
| Country of origin | CZ |

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Technical data

Product properties

| | |
|---------------------|--|
| Product type | Data cable preassembled |
| Sensor type | Ethernet |
| Number of positions | 2 |
| Connection profile | SCRJ in accordance with DIN EN 50377-6-1 |
| Number of slots | 2 |

Electrical properties

| | |
|---------------------|------------------------|
| Attenuation | < 1.9 dB (with 660 nm) |
| Transmission medium | FO |

Mechanical properties

Mechanical data

| | |
|-----------------------------|--------|
| Insertion/withdrawal cycles | ≥ 1000 |
|-----------------------------|--------|

Material specifications

| | |
|------------------------|-----------------|
| Housing material | PBT |
| Contact material | Phosphor bronze |
| Outer sheath, material | PE |

Connection data

Connection technology

| | |
|-------------------|-----------|
| Connection method | POF SC-RJ |
|-------------------|-----------|

Conductor connection

| | |
|-------------------|-----------|
| Connection method | POF SC-RJ |
|-------------------|-----------|

Connector

Connection 1

| | |
|----------------------|---------------------|
| Type | Plug straight SC-RJ |
| Degree of protection | IP20 |

Connection 2

| | |
|----------------------|---------------------|
| Type | Plug straight SC-RJ |
| Degree of protection | IP20 |

Cable/line

| | |
|------------------------|-------------------------------|
| Cable length | 2.00 m |
| Cable type | Polymer fiber (980 / 1000 µm) |
| Cable type | Break-out cable |
| Outer sheath, material | PE |

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| | |
|---|------------------|
| External sheath, color | black |
| Smallest bending radius, fixed installation | 30 mm |
| Smallest bending radius, movable installation | 30 mm |
| Ambient temperature (operation) | -20 °C ... 70 °C |
| | -20 °C ... 60 °C |

FO cable

| | |
|---------------------|----------------------------|
| Number of fibers | 2 |
| Fiber | Polymer fiber, 980/1000 µm |
| Fiber type | POF fiber A4A |
| Transmission medium | Multi-mode fiberglass |

Environmental and real-life conditions

Ambient conditions

| | |
|--|------------------|
| Degree of protection | IP20 |
| | IP20 |
| Ambient temperature (operation) (Cable, fixed installation) | -20 °C ... 70 °C |
| Ambient temperature (operation) (Cable, flexible installation) | -20 °C ... 60 °C |
| Ambient temperature (operation) | -20 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly) | -5 °C ... 50 °C |

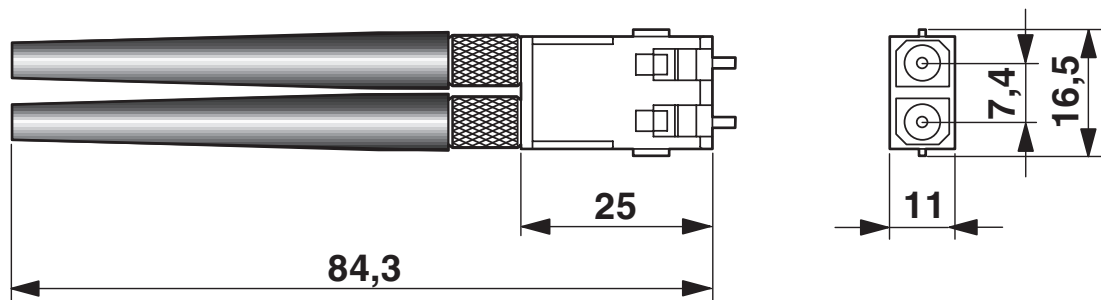
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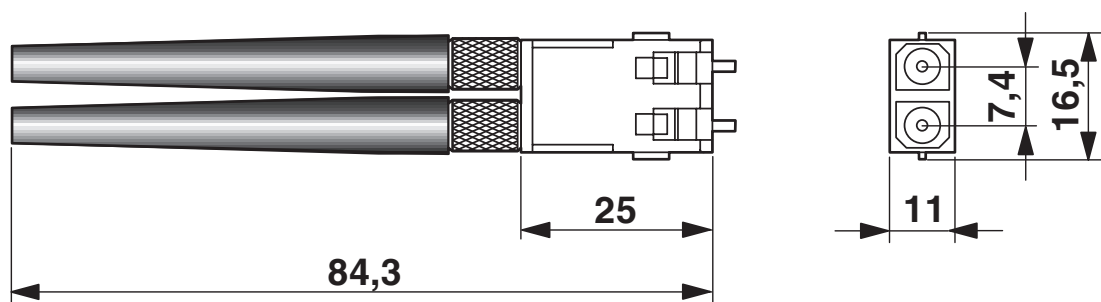
Drawings

Dimensional drawing



SC-RJ connector, POD, IP20

Dimensional drawing



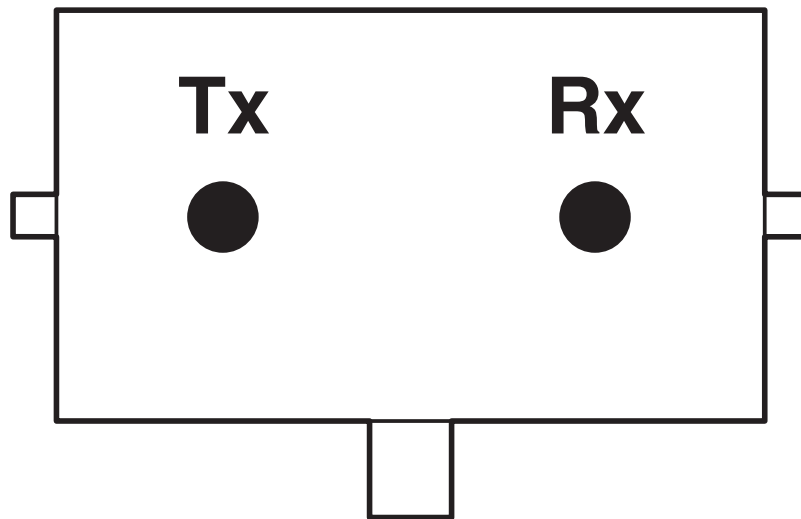
SC-RJ connector, POD, IP20

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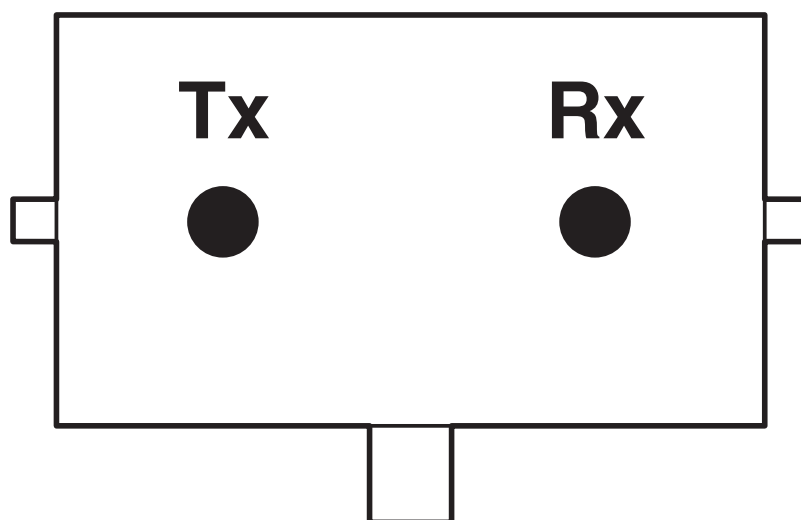
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Schematic diagram



Pin assignment plug SCRJ

Schematic diagram



Pin assignment plug SCRJ

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27061003 |
| ECLASS-15.0 | 27061003 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002607 |
|----------|----------|

UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 4de37a2d-f256-4f17-8141-27a05fccece3 |

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