

# VS-PC-2XPOF-980-SCRJ/SCRJ-5 - FO connecting cable



1656479  
<https://www.phoenixcontact.com/us/products/1656479>

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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: 5 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                          | 1656479            |
| Packing unit                         | 1 pc               |
| Minimum order quantity               | 1 pc               |
| Sales key                            | AB16               |
| Product key                          | ABNIBA             |
| Catalog page                         | Page 214 (PC-2009) |
| GTIN                                 | 4046356029841      |
| Weight per piece (including packing) | 74.5 g             |
| Weight per piece (excluding packing) | 74.5 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         | < 2.5 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 |
| Handle color                | black               |
| Insertion/withdrawal cycles | ≥ 1000              |
| Degree of protection        | IP20                |

#### Connection 2

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

### Cable/line

|              |                               |
|--------------|-------------------------------|
| Cable length | 5.00 m                        |
| Cable type   | Polymer fiber (980 / 1000 µm) |

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|                                               |                  |
|-----------------------------------------------|------------------|
| Cable type                                    | Break-out cable  |
| Outer sheath, material                        | PE               |
| 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)         | -20 °C ... 70 °C |
|                                         | -20 °C ... 60 °C |
|                                         | -20 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly)          | -5 °C ... 50 °C  |

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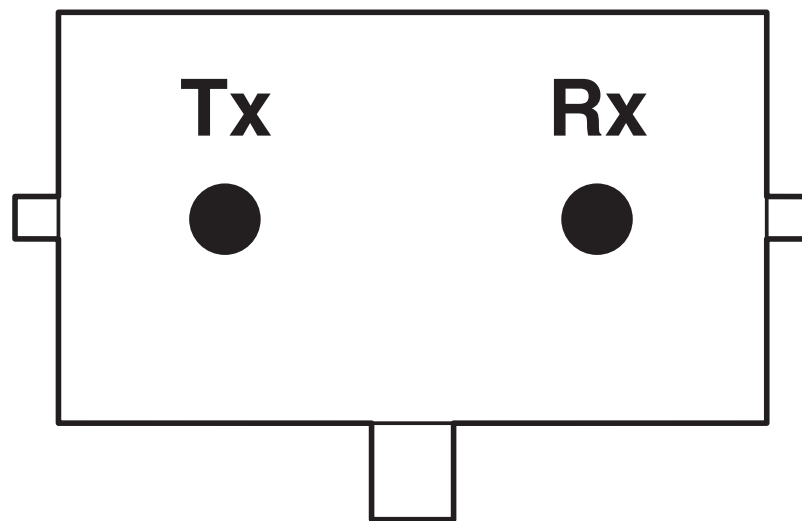


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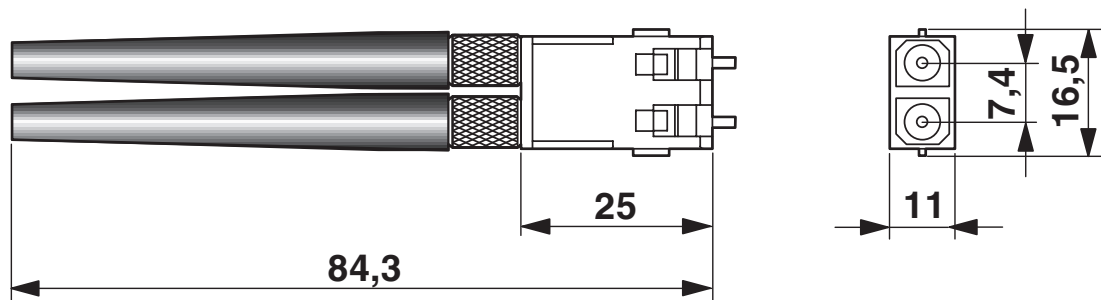
## Drawings

Schematic diagram



Pin assignment plug SCRJ

Dimensional drawing



SC-RJ connector, POD, IP20

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27061003 |
| ECLASS-12.0 | 27061003 |
| ECLASS-13.0 | 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                                | 2c35bba3-c935-4b37-9fdd-b1fbbf8e4435 |

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## Accessories

### VS-SCRJ-GOF-BU/BU - SC-RJ female insert

1652978

<https://www.phoenixcontact.com/us/products/1652978>



SC-RJ socket insert, duplex, for VS-A-F-IP67 panel mounting frame, can be used for fiberglass (multi-mode and single mode), PCF, and polymer fibers

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### VS-PPC-F1-SCRJ-MNNA-1C-F - Panel mounting frames

1405235

<https://www.phoenixcontact.com/us/products/1405235>



Push-pull panel mounting frame, IP67, metal, with Freenet system, for round mounting cutout, with seal and SC-RJ coupling (for POF, PCF, and GOF)

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## FOC-V14-F1ZNI-EM/SJB - Panel mounting frames

1413964

<https://www.phoenixcontact.com/us/products/1413964>



SC-RJ panel mounting frame, IP67, for push-pull interlocking, metal, for rectangular mounting cutout, with seal and mounting screws, incl. SC-RJ coupling

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## VS-A-F-IP67-BK - Panel mounting frames

1658668

<https://www.phoenixcontact.com/us/products/1658668>



Panel mounting frame, IP67, for Freenet system, for round panel cutout, with grommet, without mounting screws, color: black

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## VS-PP-F-SCRJ - DIN rail adapter

1658121

<https://www.phoenixcontact.com/us/products/1658121>



Patch panel, SC-RJ, DIN rail mounting, IP20, 1 slot, socket/socket, can be used for glass, multi-mode, PCF, and polymer fibers

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## 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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