

# VS-PC-2XPOF-980-SCRJ/SCRJ-1 - FO connecting cable



1656738

<https://www.phoenixcontact.com/in/products/1656738>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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: 1 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                          | 1656738            |
| Packing unit                         | 1 pc               |
| Minimum order quantity               | 1 pc               |
| Sales key                            | ABN                |
| Product key                          | ABNIBA             |
| Catalog page                         | Page 214 (PC-2009) |
| GTIN                                 | 4046356030052      |
| Weight per piece (including packing) | 58.566 g           |
| Weight per piece (excluding packing) | 42.5 g             |
| Customs tariff number                | 85447000           |
| Country of origin                    | CZ                 |

# VS-PC-2XPOF-980-SCRJ/SCRJ-1 - FO connecting cable



1656738

<https://www.phoenixcontact.com/in/products/1656738>

## 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         | < 1.7 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 | 1.00 m                        |
| Cable type   | Polymer fiber (980 / 1000 µm) |

# VS-PC-2XPOF-980-SCRJ/SCRJ-1 - FO connecting cable



1656738

<https://www.phoenixcontact.com/in/products/1656738>

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

## 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  |

# VS-PC-2XPOF-980-SCRJ/SCRJ-1 - FO connecting cable

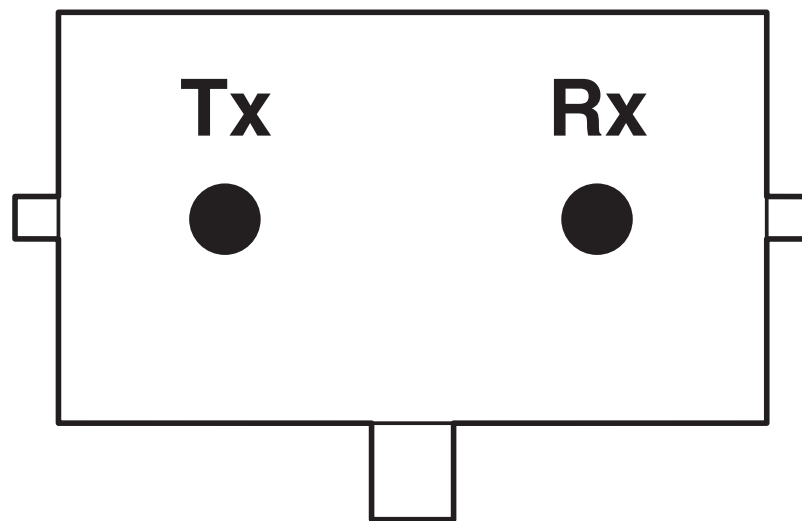


1656738

<https://www.phoenixcontact.com/in/products/1656738>

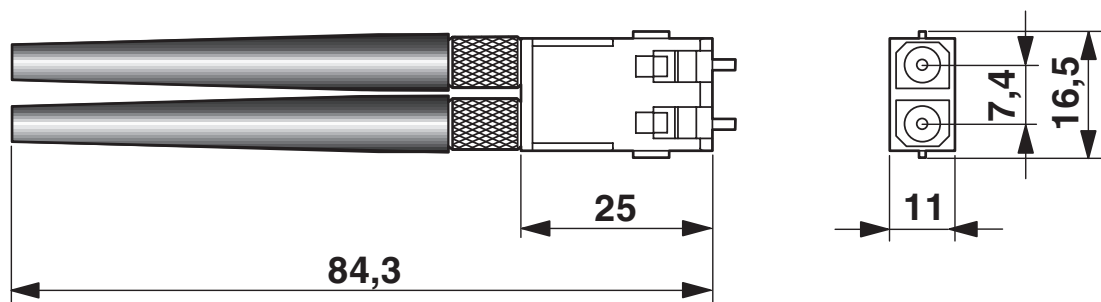
## Drawings

Schematic diagram



Pin assignment plug SCRJ

Dimensional drawing



SC-RJ connector, POD, IP20

# VS-PC-2XPOF-980-SCRJ/SCRJ-1 - FO connecting cable



1656738

<https://www.phoenixcontact.com/in/products/1656738>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27061003 |
| ECLASS-12.0 | 27061003 |
| ECLASS-13.0 | 27061003 |

### ETIM

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

### UNSPSC

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

# VS-PC-2XPOF-980-SCRJ/SCRJ-1 - FO connecting cable



1656738

<https://www.phoenixcontact.com/in/products/1656738>

## 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                                | ebdee353-cafb-4b37-9105-3c4fe43b0d3e |

# VS-PC-2XPOF-980-SCRJ/SCRJ-1 - FO connecting cable



1656738

<https://www.phoenixcontact.com/in/products/1656738>

## Accessories

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

1652978

<https://www.phoenixcontact.com/in/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

---

### VS-PPC-F1-SCRJ-MNNA-1C-F - Panel-mount frame

1405235

<https://www.phoenixcontact.com/in/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)

# VS-PC-2XPOF-980-SCRJ/SCRJ-1 - FO connecting cable



1656738

<https://www.phoenixcontact.com/in/products/1656738>

## FOC-V14-F1ZNI-EM/SJB - Panel-mount frame

1413964

<https://www.phoenixcontact.com/in/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

---

## VS-A-F-IP67 - Panel-mount frame

1653744

<https://www.phoenixcontact.com/in/products/1653744>



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

# VS-PC-2XPOF-980-SCRJ/SCRJ-1 - FO connecting cable



1656738

<https://www.phoenixcontact.com/in/products/1656738>

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

1658121

<https://www.phoenixcontact.com/in/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

---

## FOC-TOOL-FERRULECLEANER-2.50 - FO accessories

1407029

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



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

---

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.  
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420  
[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)