

# VS-PC-2XHCS-200-SCRJ/FSMA-2 - FO connecting cable



1654976

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Assembled FO cable, breakout cable, 200/230 µm PCF fiber, SC-RJ/IP20 to FSMA/IP20, for installation inside control cabinets, length: 2 m

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1654976                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB16                           |
| Product key                          | ABNIBB                         |
| GTIN                                 | 4046356028943                  |
| Weight per piece (including packing) | 81.1 g                         |
| Weight per piece (excluding packing) | 81.1 g                         |
| Customs tariff number                | 85369010                       |
| Country of origin                    | CZ                             |

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## Technical data

### Product properties

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

### Interfaces

|                      |          |
|----------------------|----------|
| Signal type/category | Ethernet |
|----------------------|----------|

### Electrical properties

|                     |                        |
|---------------------|------------------------|
| Attenuation         | ≤ 1.2 dB (with 850 nm) |
| Transmission medium | PCF fiber              |

### Mechanical properties

#### Mechanical data

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

### Material specifications

|                        |                   |
|------------------------|-------------------|
| Housing material       | PBT/nickel silver |
| Outer sheath, material | TPE-O             |

### Connector

#### Connection 1

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

#### Connection 2

|                      |                    |
|----------------------|--------------------|
| Type                 | Plug straight FSMA |
| Degree of protection | IP20               |

### Cable/line

|   |   |
|---|---|
| Cable type                                    | Polymer Clad Fiber (PCF)  |
| Cable type                                    | Breakout  |
| Signal type/category                          | Ethernet  |
| Outer sheath, material                        | TPE-O   |
| External sheath, color                        | orange  |
| Individual wire diameter                      | 2.2 mm  |
| Smallest bending radius, fixed installation   | 50 mm   |
| Smallest bending radius, movable installation | 50 mm   |
| Resistance to oil                             | yes   |
| Flame resistance                              | yes, in accordance with IEC 60332-1-2 and in accordance with IEC 60332-3-22 Cat A |
| Ambient temperature (operation)               | -20 °C ... 70 °C  |

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## 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  | IP20             |
|   | IP20             |
| Ambient temperature (operation) (Cable, fixed installation) | -20 °C ... 70 °C |
| Ambient temperature (storage/transport)                     | -40 °C ... 70 °C |
| Ambient temperature (assembly)                              | -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   |

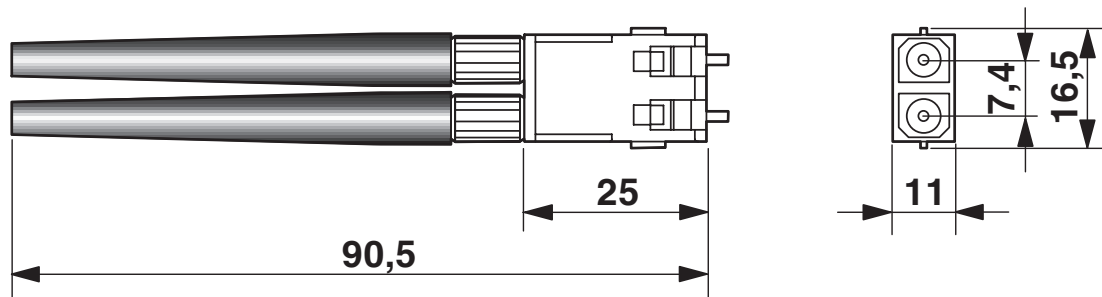
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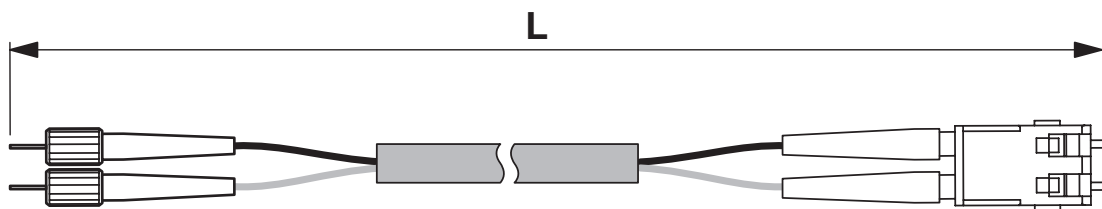
## Drawings

Dimensional drawing



SC-RJ connector IP20

Dimensional drawing



FSMA plugs

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Schematic diagram



Pin assignment plug SCRJ

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26121607 |
|-------------|----------|

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## Environmental product compliance

### 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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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