

# VS-PC-2XHCS-200-SCRJ/FSMA-1 - FO connecting cable



1654963

<https://www.phoenixcontact.com/us/products/1654963>

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, 200/230 µm PCF fiber, SC-RJ/IP20 to FSMA/IP20, for installation inside control cabinets, length: 1 m

## Commercial data

Item number	1654963
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB16
Product key	ABNIBB
GTIN	4046356028936
Weight per piece (including packing)	51.7 g
Weight per piece (excluding packing)	51.7 g
Customs tariff number	85369010
Country of origin	DE

# VS-PC-2XHCS-200-SCRJ/FSMA-1 - FO connecting cable



1654963

<https://www.phoenixcontact.com/us/products/1654963>

## 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

# VS-PC-2XHCS-200-SCRJ/FSMA-1 - FO connecting cable



1654963

<https://www.phoenixcontact.com/us/products/1654963>

## 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) (fixed installation)	-40 °C ... 70 °C
Ambient temperature (operation) (flexible installation)	-20 °C ... 70 °C
Ambient temperature (operation) (male connector/female connector)	-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

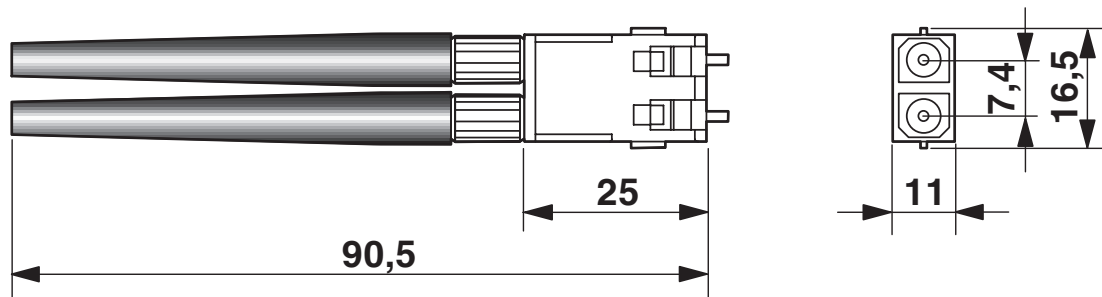
# VS-PC-2XHCS-200-SCRJ/FSMA-1 - FO connecting cable

1654963

<https://www.phoenixcontact.com/us/products/1654963>

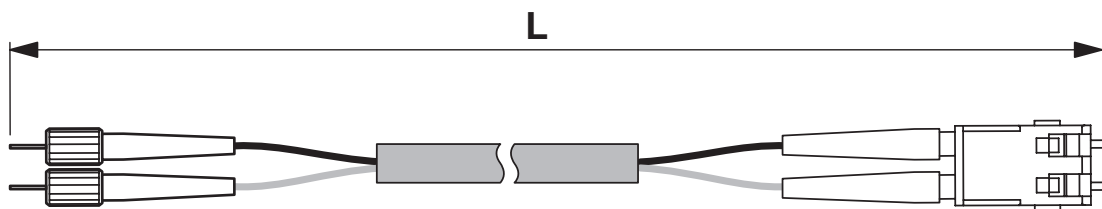
## Drawings

Dimensional drawing



SC-RJ connector IP20

Dimensional drawing



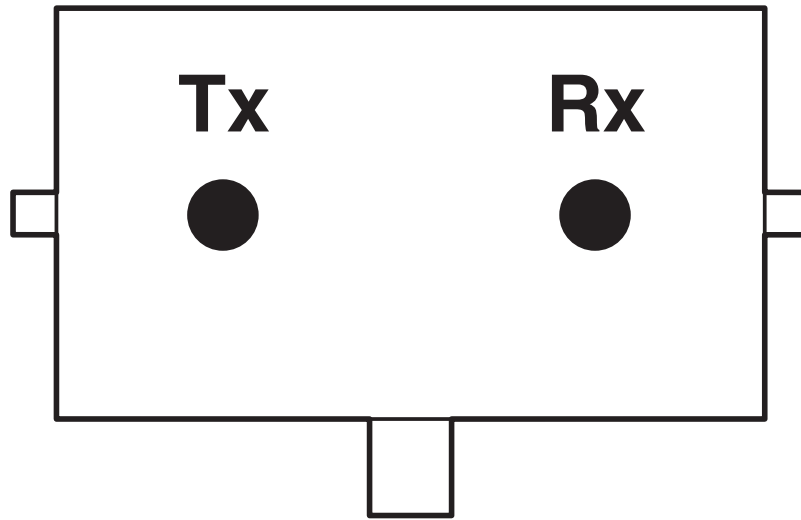
FSMA plugs

# VS-PC-2XHCS-200-SCRJ/FSMA-1 - FO connecting cable

1654963

<https://www.phoenixcontact.com/us/products/1654963>

Schematic diagram



Pin assignment plug SCRJ

# VS-PC-2XHCS-200-SCRJ/FSMA-1 - FO connecting cable



1654963

<https://www.phoenixcontact.com/us/products/1654963>

## Classifications

### UNSPSC

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

# VS-PC-2XHCS-200-SCRJ/FSMA-1 - FO connecting cable



1654963

<https://www.phoenixcontact.com/us/products/1654963>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)