

# VS-FSDB-IP20SDA/981/2,0 SCO - Patch cable



1420171

<https://www.phoenixcontact.com/us/products/1420171>

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 USB cable, shielded, color: black, PVC outer sheath, USB mini-B/IP20 on USB type A/IP20, length: 2 m

## Commercial data

Item number	1420171
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF04
Product key	AF1CPA
GTIN	4046356548601
Weight per piece (including packing)	110.4 g
Weight per piece (excluding packing)	108 g
Customs tariff number	85444290
Country of origin	PL

# VS-FSDB-IP20SDA/981/2,0 SCO - Patch cable



1420171

<https://www.phoenixcontact.com/us/products/1420171>

## Technical data

### Notes

#### Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
---------	--

### Product properties

Product type	Data cable preassembled
Application	Standard
Number of positions	4
Shielded	yes

### Electrical properties

Nominal voltage $U_N$	48 V AC
	60 V DC
Nominal current $I_N$	1 A
Transmission medium	Copper
Transmission characteristics (category)	USB 2.0

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq 100$
-----------------------------	------------

### Material specifications

Flammability rating according to UL 94	V0
--	----

### Connection data

#### Connection assignment

Contact   Color (signal designation)   Contact (optional)	1 (M12 mini B)   RD (+5 V)   1 (USB type A)
	2 (M12 mini B)   WH (DATA-)   2 (USB type A)
	3 (M12 mini B)   GN (DATA+)   3 (USB type A)
	4 (M12 mini B)   N.C.
	5 (M12 mini B)   BK (GND)   4 (USB type A)

### Connector

#### Connection 1

Type	Plug straight USB type A / IP20
Degree of protection	IP20

#### Connection 2

Type	Socket straight M12 mini B / IP65
Material	Cu alloy

# VS-FSDB-IP20SDA/981/2,0 SCO - Patch cable



1420171

<https://www.phoenixcontact.com/us/products/1420171>

	Ni/Au
Degree of protection	IP65

## Cable/line

Cable length	2 m
External sheath, color	black
Ambient temperature (operation)	-25 °C ... 80 °C (Cable, flexible installation)

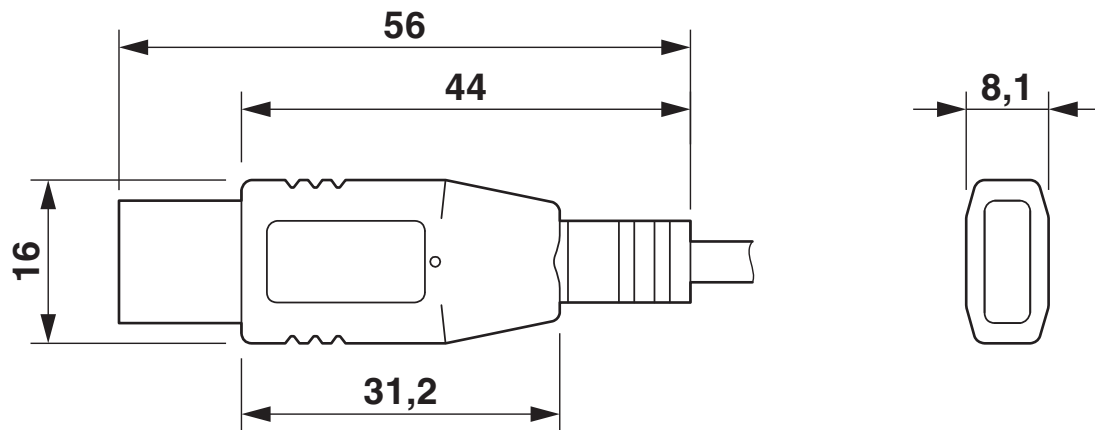
# VS-FSDB-IP20SDA/981/2,0 SCO - Patch cable

1420171

<https://www.phoenixcontact.com/us/products/1420171>

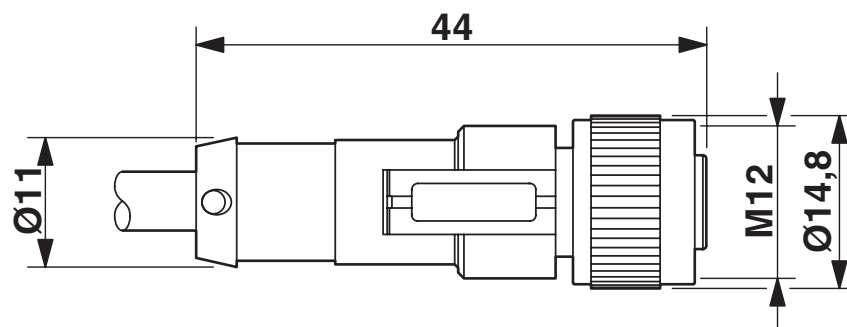
## Drawings

Dimensional drawing



USB connector, type A, Standard

Dimensional drawing



Mini USB, M12 x 1 socket, straight

# VS-FSDB-IP20SDA/981/2,0 SCO - Patch cable

1420171

<https://www.phoenixcontact.com/us/products/1420171>



Schematic diagram



Pin assignment plug USB, mini B

# VS-FSDB-IP20SDA/981/2,0 SCO - Patch cable



1420171

<https://www.phoenixcontact.com/us/products/1420171>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1420171>



**EAC-RoHS**

Approval ID: RU D-DE.HB35.B.00387

# VS-FSDB-IP20SDA/981/2,0 SCO - Patch cable



1420171

<https://www.phoenixcontact.com/us/products/1420171>

## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

### UNSPSC

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

# VS-FSDB-IP20SDA/981/2,0 SCO - Patch cable



1420171

<https://www.phoenixcontact.com/us/products/1420171>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### 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)