

# VS-FSDB-IP20SDA/981/1,0 SCO - Patch cable



1420168

<https://www.phoenixcontact.com/us/products/1420168>

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Assembled USB cable, shielded, color: black, PVC outer sheath, USB mini-B/IP20 on USB type A/IP20, length: 1 m

## Commercial data

Item number	1420168
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF04
Product key	AF1CPA
GTIN	4046356548595
Weight per piece (including packing)	69 g
Weight per piece (excluding packing)	68.1 g
Customs tariff number	85444290
Country of origin	PL

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## Technical data

### Notes

#### Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
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### 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	$\geq 100$
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### Material specifications

Flammability rating according to UL 94	V0
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### 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

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	Ni/Au
Degree of protection	IP65

## Cable/line

Cable length	1 m
External sheath, color	black
Ambient temperature (operation)	-25 °C ... 80 °C (Cable, flexible installation)

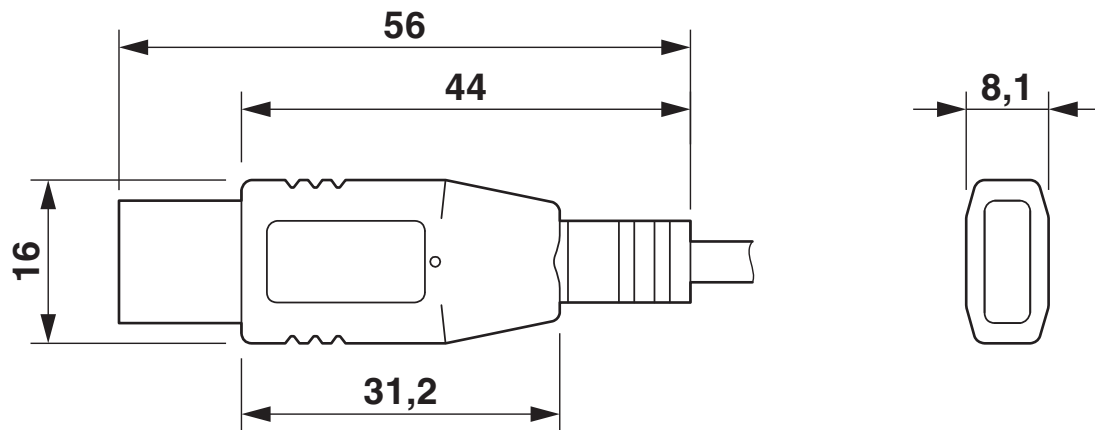
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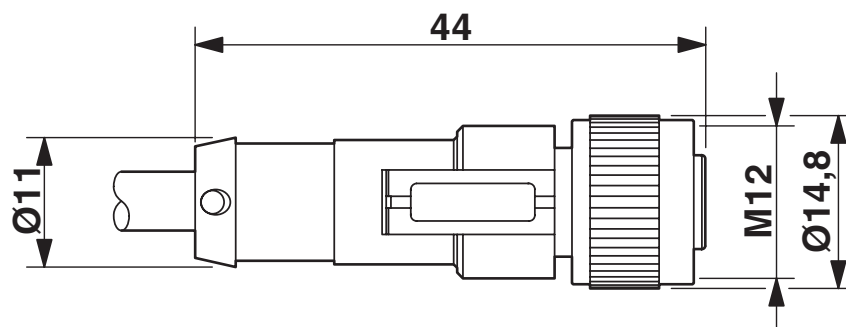
## Drawings

Dimensional drawing



USB connector, type A, Standard

Dimensional drawing



Mini USB, M12 x 1 socket, straight

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Schematic diagram



Pin assignment plug USB, mini B

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1420168>



**EAC-RoHS**

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

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## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

### ETIM

ETIM 10.0	EC001855
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)