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VS-04-2X2X26C7/7-67A/67B/5,0 - USB cable

1653883

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Assembled USB cable, shielded, color: RAL 5021 (water blue), PUR outer sheath, USB type A/IP67 on USB type B/IP67, length: 5 m

Commercial data

Item number	1653883
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABNNFB
Product key	ABNNFB
Catalog page	Page 452 (C-2-2019)
GTIN	4017918970215
Weight per piece (including packing)	351.9 g
Weight per piece (excluding packing)	351.9 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	Data cable preassembled
Sensor type	USB 2.0
Number of positions	4
Shielded	yes

Data management status

Article revision	05

Insulation characteristics

Degree of pollution	2

Electrical properties

Rated voltage (III/3)	125 V
Rated current	1 A
Transmission medium	Copper
Transmission characteristics (category)	USB 2.0
Transmission speed	480 Mbps

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500

Material specifications

Seal material	NBR
Housing material	PA
O-ring material	FPM
Outer sheath, material	PUR

Connector

Connection 1

Type	Plug straight USB type A

Connection 2

Type	Plug straight USB type B

Cable/line

Cable length	5.00 m

FireWire [980]

Cable weight	59 kg/km
Number of positions	6
Shielded	yes

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Cable type	FireWire [980]
Conductor structure	2x2xAWG26/7 + 2xAWG20/19, S/FTP
Signal runtime	4.6 ns/m
Signal speed	0.72 c
Conductor structure signal line	7x 0.15 mm
AWG signal line	26
Conductor cross section	2x 2x 0.14 mm² (Signal line)
	2x 0.5 mm² (Power supply)
Wire diameter incl. insulation	≤ 1.05 mm (Signal line)
	nom. 1.4 mm (Power supply)
External cable diameter	6.70 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	Cell PE (Signal line)
	PVC (Power supply)
Single wire, color	white-blue, white-orange, white, black
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Two pairs and two power supply wires to the core
Max. conductor resistance	150 Ω/km
Insulation resistance	5 GΩ*km
Coupling resistance	5.00 mΩ/m (at 10 MHz)
Wave impedance	100 Ω ±5 % (at 100 MHz)
Working capacitance	42 pF (per meter)
Nominal voltage, cable	≤ 125 V
Test voltage	1000 V
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	5 x D
Smallest bending radius, fixed installation	34 mm
Smallest bending radius, movable installation	34 mm
Tensile strength	≤ 30 N
Shield attenuation	60.00 dB (up to 1000 MHz)
Flame resistance	complying with IEC 60332-2-2
Resistance to oil	in accordance with EN 60811-2-1
Other resistance	Microbe resistance as per DIN VDE 0282
	Hydrolysis resistance as per DIN 53504
Special properties	Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-10 °C ... 50 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

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Degree of protection	IP67
	IP67
Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation)
	0 °C ... 50 °C (Cable, flexible installation)
	Plug / socket

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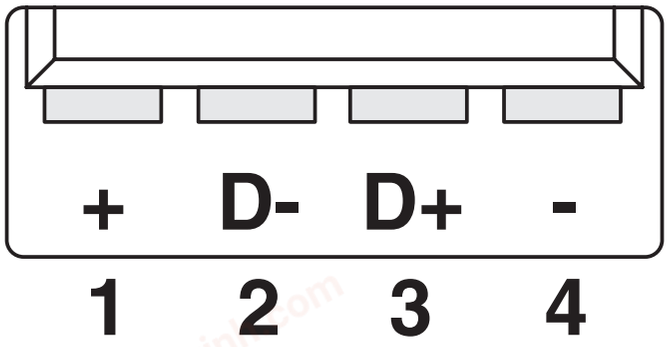
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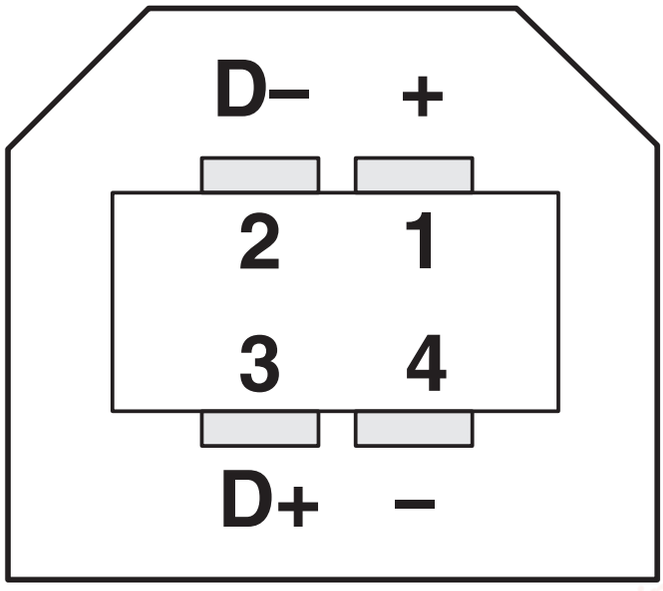
Drawings

Schematic diagram



Pin assignment plug USB, type A

Schematic diagram



Plug pin assignment plug USB, type B

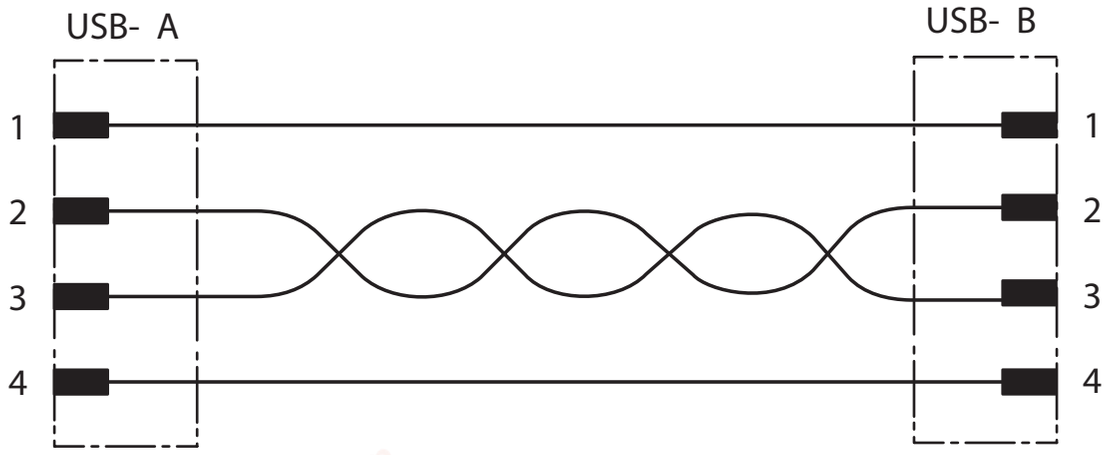
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Circuit diagram



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1653883

EAC
Approval ID: 19060508

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Classifications

ECLASS

ECLASS-11.0	27060308
ECLASS-12.0	27060308
ECLASS-13.0	27060307

ETIM

ETIM 9.0	EC001855

UNSPSC

UNSPSC 21.0	26121600

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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.)	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)
SCIP	a6ff1c30-7691-4e60-89d7-ffaecbf8f7b2

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