

Patch cable - VS-04-2X2X26C7/7-67A/67B/2,0 - 1653870

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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: 2 m

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 970208
GTIN	4017918970208
Weight per Piece (excluding packing)	184.000 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	2 m
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Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation)

General data

Number of positions	4
Signal type/category	USB 2.0
Degree of pollution	2
	2
Alternative short product description	USB cable

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Technical data

General data

Rated voltage (III/3)	125 V
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Characteristics head 1

Head type	Plug straight USB type A
No. of positions (pin connector pattern)	4

Characteristics head 2

Head type	Plug straight USB type B
No. of positions (pin connector pattern)	4

Cable

Cable type	FireWire
Cable type (abbreviation)	980
Signal type/category	USB CAT7, 480 Mbps
	FireWire CAT7, 400 Mbps
Cable structure	2x2xAWG26/7 + 2xAWG20/19; S/FTP
Conductor cross section	2x 2x 0.14 mm ² (Signal line)
	2x 0.5 mm ² (Power supply)
AWG signal line	26
AWG power supply	20
Conductor structure signal line	7x 0.15 mm
Conductor structure, voltage supply	19x 0.20 mm
Core diameter including insulation	≤ 1.05 mm (Signal line)
	nom. 1.4 mm (Power supply)
Wire colors	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
Shielding	Tinned copper braided shield
External sheath, color	water blue RAL 5021
External cable diameter D	6.7 mm
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	5 x D
Tensile strength short-term/long-term	≤ 30 N
Cable weight	59 kg/km
Outer sheath, material	PUR
Material conductor insulation	Cell PE (Signal line)
	PVC (Power supply)
Conductor material	Bare Cu litz wires

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Technical data

Cable

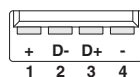
Insulation resistance	5 GΩ*km
Conductor resistance	150 Ω/km
Working capacitance	42 pF (per meter)
Wave impedance	100 Ω ±5 % (at 100 MHz)
Signal speed	0.72 c
Signal runtime	4.6 ns/m
Shield attenuation	60 dB (Up to 1000 MHz)
Interference suppression	90 dB (Up to 1000 MHz)
Coupling resistance	5.00 mΩ/m (At 10 MHz)
Nominal voltage, cable	≤ 125 V
Test voltage, cable	1000 V
Special properties	Free of substances which would hinder coating with paint or varnish
Flame resistance	complying with IEC 60332-2-2
Resistance to oil	according to EN 60811-2-1
Other resistance	Microbe resistance as per DIN VDE 0282
	Hydrolysis resistance as per DIN 53504
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-10 °C ... 50 °C (cable, flexible installation)

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

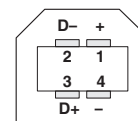
Drawings

Schematic diagram



Pin assignment plug USB, type A

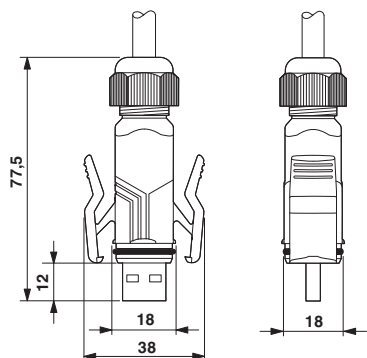
Schematic diagram



Plug pin assignment plug USB, type B

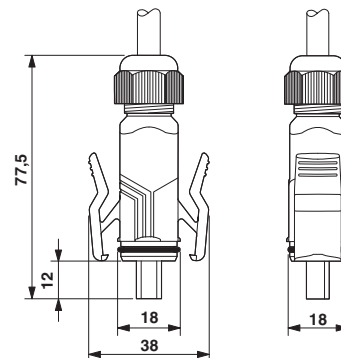
Patch cable - VS-04-2X2X26C7/7-67A/67B/2,0 - 1653870

Dimensional drawing



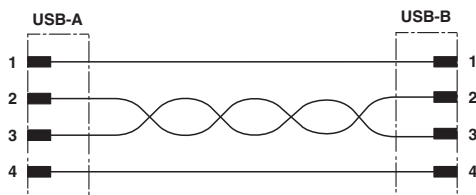
USB connector, type A, IP67

Dimensional drawing



USB connector, type B, IP67

Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27279218
eCl@ss 7.0	27060390
eCl@ss 8.0	27060390
eCl@ss 9.0	27060390

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001408

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Classifications

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	26121604

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		B.00767
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Accessories

Accessories

Protective cover

Protective covers - VS-SCRJ-PC - 1653757



IP67 protective cover, for covering the male inserts in the sleeve housings IP67, VS-SC-RJ-..., VS-04-..., VS-06-... and VS-08-...