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Network cable - VS-FSDBPS-OE-937-2,0 - 1402764

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Assembled PROFINET cable, CAT5e, shielded, star quad, AWG 22 (7-wire), black, M12 flush-type socket, rear/screw mounting with M16 thread on free conductor end, length 2 m



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 631372

Technical data

Mechanical characteristics

Number of positions	4
Shielded	yes
Insertion/withdrawal cycles	≥ 100
Cable diameter	6.60 mm
Cable exit	straight
Cable structure	1x4xAWG22/7; SF/TQ
Length of cable	2 m

Ambient conditions

Degree of protection	IP67
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Material data

Outer sheath, material	RADOX® GKW S
External sheath, color	black RAL 9005

Electrical characteristics

Transmission characteristics (category)	CAT5 (IEC 11801:2002)
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Line characteristics

Cable type	PROFINET railway applications
Cable structure	1x4xAWG22/7; SF/TQ
Conductor cross section	4x 0.34 mm ²

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Technical data

Line characteristics

AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	approx. 1.5 mm
External cable diameter	6.6 mm ±0.4 mm
Wire colors	white-blue, orange-yellow
External sheath, color	black RAL 9005
Transmission medium	Copper
Conductor resistance	≤ 54.4 Ω/km
Working capacitance	≤ 65 pF (core-core)
	≤ 100 pF (core-shield)
Wave impedance	100 Ω ±5 Ω (f = 100 MHz)
Signal speed	75 c
Shield attenuation	40 dB (30 MHz ≤ f ≤ 100 MHz)
Coupling resistance	200.00 mΩ/m (f ≤ 30 MHz)
Nominal voltage, cable	300 V AC
Test voltage, cable	2000 V AC (50 Hz, 5 minutes)
Overall twist	Star quad
Shielding	Plastic-coated aluminum foil, tinned copper braided shield
Outer sheath, material	EC-X
Material conductor insulation	Foamed PE
Conductor material	silver-plated Cu litz wires
Cable weight	70 kg/km
Minimum bending radius, fixed installation	6 x D
Flame resistance	EN 60332-1-2
	EN 50266
	EN 60332-3-25
	NF C32-070, 2.1
	NF C32-070, 2.2
	UL 1685, 12 (FT4)
	in accordance with ISO 6722-1 5.22 (UN ECE-R 118.01)
Halogen-free	According to EN 50267-2-1
Resistance to oil	according to IRM 902, 72 h at 100 °C
Other resistance	Resistance to fuels according to IRM 903, 168 h at 70 °C
Ambient temperature (operation)	-50 °C ... 90 °C (cable, fixed installation)
	-40 °C ... 90 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27060307
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Classifications

eCl@ss

eCl@ss 4.1	27060307
eCl@ss 5.0	27061801
eCl@ss 5.1	27060307
eCl@ss 6.0	27279218
eCl@ss 7.0	27279218
eCl@ss 8.0	27061801

ETIM

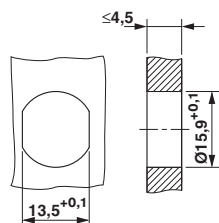
ETIM 4.0	EC000830
ETIM 5.0	EC000830

UNSPSC

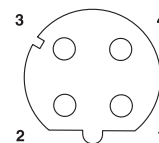
UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	26121616
UNSPSC 13.2	26121616

Drawings

Dimensional drawing



Schematic diagram



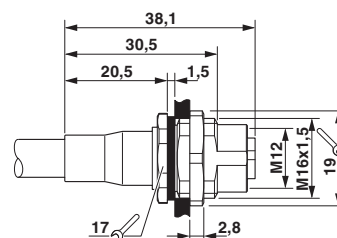
Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Cable cross section



PROFINET railway applications [937]

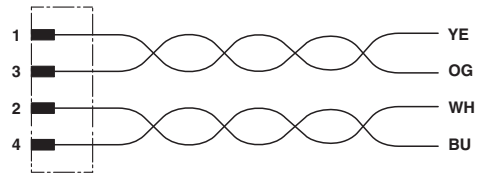
Dimensional drawing



M12 flush-type connector

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Circuit diagram



Contact assignment of the M12 socket

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