

<https://www.phoenixcontact.com/cn/products/1402764>

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

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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
GTIN	4046356631372
Sales Key	ABNAEK

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
Degree of protection	IP67
	IP67
No. of cable outlets	1

Ambient conditions

Degree of protection	IP67
----------------------	------

Material data

Outer sheath, material	PE-X
External sheath, color	black RAL 9005

<https://www.phoenixcontact.com/cn/products/1402764>

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

Technical data

Electrical characteristics

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

Line characteristics

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

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

Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals

Approvals

Approvals
EAC

Ex Approvals

Approval details

EAC		B.00767
-----	---	---------