

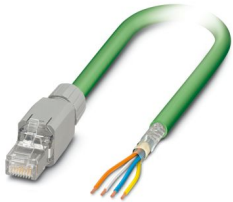
VS-OE-IP20-93B-LI/2,0 - Network cable



1416128

<https://www.phoenixcontact.com/us/products/1416128>

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 documentation. Our general terms of use for downloads are valid.



Assembled PROFINET cable, CAT5e, shielded, star quad, AWG 22 stranded (7-wire), RAL 6018 (yellow-green), free conductor end on RJ45 plug/IP20, line, length: 2 m

Commercial data

Item number	1416128
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABNABA
GTIN	4046356474030
Weight per piece (including packing)	147.4 g
Weight per piece (excluding packing)	138.992 g
Country of origin	PL

Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 INDUSTRIAL PN4 CAT5
Sensor type	PROFINET
Number of positions	4
No. of cable outlets	1
Shielded	yes
Cable outlet	straight

Insulation characteristics

Degree of pollution	1
---------------------	---

Electrical properties

Rated voltage (III/3)	50 V
Rated current	1.75 A
Transmission medium	Copper
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Wave impedance	100 Ω

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 1000
Insertion force per signal contact	50.00 N
Extraction force per signal contact	30 N

Material specifications

Flammability rating according to UL 94	V0
Outer sheath, material	PVC
Conductor material	Tin-plated Cu litz wires

Connection data

Connection technology

Connection method	IDC fast connection
-------------------	---------------------

Conductor connection

Connection method	IDC fast connection
-------------------	---------------------

Connector

Connection 1

Type	Plug straight RJ45
Shielded	yes

VS-OE-IP20-93B-LI/2,0 - Network cable



1416128

<https://www.phoenixcontact.com/us/products/1416128>

Degree of protection	IP20
----------------------	------

Connection 2

Type	free cable end
Degree of protection	IP20

Cable/line

Cable length	2.00 m
--------------	--------

PROFINET PVC stranded CAT5 [93B]

Dimensional drawing		
UL AWM Style	21695 (80 °C / 600 V)	
Number of positions	4	
Shielded	yes	
Cable type	PROFINET PVC stranded CAT5 [93B]	
Conductor structure	1x4xAWG22/7, SF/TQ	
AWG signal line	22	
Conductor cross section	4x 0.34 mm ²	
Wire diameter incl. insulation	1.5 mm ±0.1 mm	
External cable diameter	6.50 mm ±0.2 mm	
Outer sheath, material	PVC	
External sheath, color	green RAL 6018	
Conductor material	Tin-plated Cu litz wires	
Material wire insulation	PE	
Single wire, color	white, yellow, blue, orange	
Overall twist	Star quad	
Optical shield covering	85 %	
Insulation resistance	≥ 5 GΩ*km	
Loop resistance	≤ 120.00 Ω/km	
Wave impedance	100 Ω ±5 Ω (at 100 MHz)	
Nominal voltage, cable	≤ 600 V	
Test voltage Core/Core	2000 V ((50 Hz/1 min))	
Test voltage Core/Shield	2000.00 V ((50 Hz/1 min))	
Minimum bending radius, fixed installation	4 x D	
Minimum bending radius, flexible installation	8 x D	
Flame resistance	UL 1581, Section 1060 and UL 2556, Section 9.3 (FT1)	
	UL 1685 (CSA FT 4)	
	UL 1581, Section 1100 and UL 2556, Section 9.1 (HFT/FT2)	

VS-OE-IP20-93B-LI/2,0 - Network cable



1416128

<https://www.phoenixcontact.com/us/products/1416128>

Resistance to oil	OIL RES I according to UL 2256
Other resistance	UV resistant (according to UL 1581, Section 1200)
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-10 °C ... 70 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
	IP20

VS-OE-IP20-93B-LI/2,0 - Network cable



1416128

<https://www.phoenixcontact.com/us/products/1416128>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1416128>



EAC

Approval ID: 19060508

VS-OE-IP20-93B-LI/2,0 - Network cable



1416128

<https://www.phoenixcontact.com/us/products/1416128>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 9.0	EC001855
----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

VS-OE-IP20-93B-LI/2,0 - Network cable



1416128

<https://www.phoenixcontact.com/us/products/1416128>

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.)	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9)
-------------------------------------	--

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com