

VS-OE-PPC/PL-93B-LI/5,0 - Network cable



1416168

<https://www.phoenixcontact.com/us/products/1416168>

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/IP67 push-pull plastic housing, line, length: 5 m

Commercial data

Item number	1416168
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB11
Product key	ABNABA
GTIN	4046356474269
Weight per piece (including packing)	382.1 g
Weight per piece (excluding packing)	343.39 g
Customs tariff number	85444210
Country of origin	PL

1416168

<https://www.phoenixcontact.com/us/products/1416168>

Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 INDUSTRIAL PN4 CAT5
Sensor type	PROFINET
Number of positions	4
Shielded	yes

Electrical properties

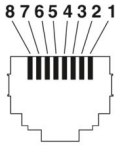
Transmission medium	Copper
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Transmission speed	100 Mbps
Wave impedance	100 Ω

Material specifications

Outer sheath, material	PVC
Conductor material	Tin-plated Cu litz wires

Connector

Connection 1

Dimensional drawing	 <p>Connector pin assignment plug RJ45</p>
Type	RJ45 Plug, straight, 4-position, Push Pull
Number of positions	4
Shielded	yes
Signal type/category	Ethernet CAT5 (IEC 11801:2002), 100 Mbps
Insertion/withdrawal cycles	≥ 500
Degree of pollution	2
Material Contact	CuSn
Material Contact surface	Ni/Au
Material Contact carrier	PC
Material Housing	Plastic
Color (Housing)	black
Flammability rating according to UL 94	V2

VS-OE-PPC/PL-93B-LI/5,0 - Network cable



1416168

<https://www.phoenixcontact.com/us/products/1416168>

Degree of protection	IP67
	IP65
Ambient temperature (operation)	-40 °C ... 70 °C


Connection 2

Type	free cable end
------	----------------

Cable/line

Cable length	5.00 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)

VS-OE-PPC/PL-93B-LI/5,0 - Network cable



1416168

<https://www.phoenixcontact.com/us/products/1416168>

	UL 1581, Section 1100 and UL 2556, Section 9.1 (HFT/FT2)
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)

Standards and regulations

Standards/specifications	IEC PAS 61076-3-117
--------------------------	---------------------

VS-OE-PPC/PL-93B-LI/5,0 - Network cable



1416168

<https://www.phoenixcontact.com/us/products/1416168>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1416168>



EAC

Approval ID: 19060508

VS-OE-PPC/PL-93B-LI/5,0 - Network cable



1416168

<https://www.phoenixcontact.com/us/products/1416168>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 10.0	EC001855
-----------	----------

UNSPSC

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

VS-OE-PPC/PL-93B-LI/5,0 - Network cable



1416168

<https://www.phoenixcontact.com/us/products/1416168>

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) 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9)
SCIP	be37448f-1bf0-470b-9410-43ed58322b9e

Phoenix Contact 2026 © - 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