

VS-PNRJ45-PNRJ45R-93B-2,0 - Patch cable



1418277

<https://www.phoenixcontact.com/us/products/1418277>

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.



Patch cable, degree of protection: IP20, cable length: 2 m, number of positions: 4, 100 Mbps, CAT5, material: PA 6.6, PROFINET, 1x4xAWG22/7, SF/TQ, green RAL 6018

PROFINET patch cable

Commercial data

Item number	1418277
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABA
GTIN	4046356534505
Weight per piece (including packing)	161.3 g
Weight per piece (excluding packing)	152.847 g
Customs tariff number	85444210
Country of origin	PL

VS-PNRJ45-PNRJ45R-93B-2,0 - Patch cable



1418277

<https://www.phoenixcontact.com/us/products/1418277>

Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 INDUSTRIAL PN4 CAT5
Number of positions	4
Connection profile	RJ45 8(4)
Shielded	yes

Insulation characteristics

Overvoltage category	I
Degree of pollution	1

Interfaces

Signal type/category	PROFINET CAT5 (IEC 11801), 100 Mbps
	EtherCAT® CAT5 (IEC 11801), 100 Mbps

Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.75 A
Transmission medium	Copper
Transmission speed	100 Mbps
Transmission speed	100 Mbps

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 750
Insertion force per signal contact	50.00 N
Extraction force per signal contact	30 N

Material specifications

Flammability rating according to UL 94	V2
Housing material	PA 6.6
Contact material	CuSn
Contact surface material	Ni/Au

Connector

Connection 1

Type	Plug straight RJ45
Shielded	yes
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PA (Contact carrier)

VS-PNRJ45-PNRJ45R-93B-2,0 - Patch cable



1418277

<https://www.phoenixcontact.com/us/products/1418277>

	PA (Housing)
Degree of protection	IP20


Connection 2

Type	Plug straight RJ45
Shielded	yes
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PA (Contact carrier)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

Cable/line

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

PROFINET PVC stranded CAT5 [93B]

Dimensional drawing	
Note	Minimum bending radius 4 x D
Number of positions	4
Shielded	yes
Cable type	PROFINET PVC stranded CAT5 [93B]
Conductor structure	1x4xAWG22/7, SF/TQ
Conductor structure signal line	7x 0.25 mm
AWG signal line	22
Conductor cross-section	4x 0.34 mm ²
Wire diameter incl. insulation	approx. 1.5 mm
External cable diameter	6.50 mm
Outer sheath, material	PVC
External sheath, color	green RAL 6018
Conductor material	Tin-plated Cu litz wires
Single wire, color	white, yellow, blue, orange
Wave impedance	100 Ω ±15 Ω (at 1 ... 100 MHz)
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Ambient temperature (operation)	-25 °C ... 80 °C
	-25 °C ... 80 °C

VS-PNRJ45-PNRJ45R-93B-2,0 - Patch cable



1418277

<https://www.phoenixcontact.com/us/products/1418277>

Environmental and real-life conditions

Ambient conditions

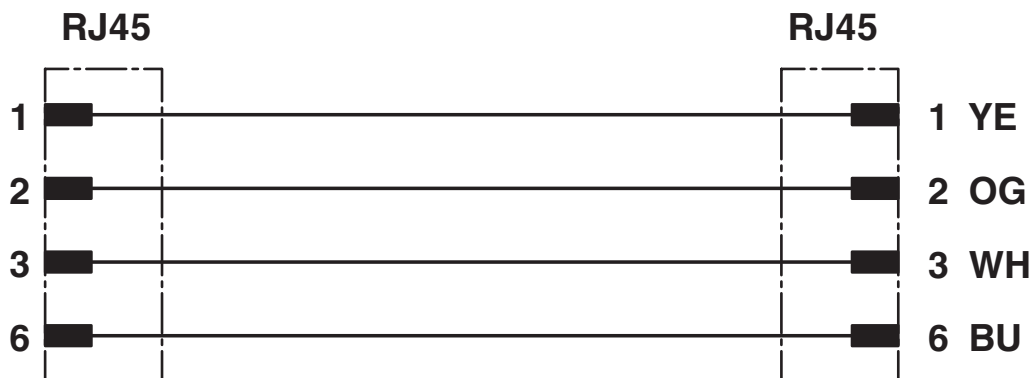
Degree of protection	IP20
	IP20
Ambient temperature (operation) (Plug)	-25 °C ... 80 °C

Drawings

Schematic diagram



Circuit diagram



VS-PNRJ45-PNRJ45R-93B-2,0 - Patch cable



1418277

<https://www.phoenixcontact.com/us/products/1418277>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

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

UNSPSC

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

VS-PNRJ45-PNRJ45R-93B-2,0 - Patch cable



1418277

<https://www.phoenixcontact.com/us/products/1418277>

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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

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