

# VS-IP20-IP20-93C/1,0 - Network cable



1404372

<https://www.phoenixcontact.com/us/products/1404372>

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, 22 AWG suitable for use with drag chain (7-wire), RAL 6018 (yellow-green), RJ45 plug/IP20 to RJ45 plug/IP20, length: 1 m

## Commercial data

Item number	1404372
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABNABA
GTIN	4046356692410
Weight per piece (including packing)	90.9 g
Weight per piece (excluding packing)	85.23 g
Country of origin	PL

# VS-IP20-IP20-93C/1,0 - Network cable



1404372

<https://www.phoenixcontact.com/us/products/1404372>

## Technical data

### Product properties

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

### Insulation characteristics

Overvoltage category	I
Degree of pollution	1

### Interfaces

Signal type/category	PROFINET CAT5 (IEC 11801:2002), 100 Mbps
----------------------	--

### Electrical properties

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

### Mechanical properties

#### Mechanical data

Insertion force per signal contact	30.00 N
Extraction force per signal contact	50 N
Max. bending cycles	3000000

### Material specifications

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

### Connector

#### Connection 1

Type	Plug straight RJ45
Shielded	yes
Degree of protection	IP20

#### Connection 2

Type	Plug straight RJ45
Shielded	yes
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

# VS-IP20-IP20-93C/1,0 - Network cable




1404372

<https://www.phoenixcontact.com/us/products/1404372>

## Cable/line

Cable length	1.00 m
--------------	--------

### PROFINET drag chain CAT5 [93C]

Dimensional drawing	
UL AWM Style	20233 (80°C/300 V)
Number of positions	4
Shielded	yes
Cable type	PROFINET drag chain CAT5 [93C]
Conductor structure	1x4xAWG22/7, SF/TQ
AWG signal line	22
Conductor cross-section	4x 0.34 mm <sup>2</sup>
Wire diameter incl. insulation	1.5 mm ±0.05 mm
External cable diameter	6.50 mm ±0.2 mm
Outer sheath, material	PUR
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	≥ 500 MΩ*km
Loop resistance	≤ 120.00 Ω/km
Wave impedance	100 Ω ±15 Ω (at 1 ... 100 MHz)
Nominal voltage, cable	≤ 300 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	5 x D
Minimum bending radius, flexible installation	7.5 x D
Dynamic load capacity (bending)	Max. bending cycles: 3000000, Bending radius: 200 mm, Traversing path: 10 m, Traversing rate: 4 m/s, Acceleration: 4 m/s <sup>2</sup>
Dynamic load capacity (torsion)	Torsion: ±30 °/m
Halogen-free	according to IEC 60754-1
Flame resistance	according to IEC 60332-1-2 in accordance with UN ECE-R 118.03 according to CSA C 22.2 No. 210-FT1

# VS-IP20-IP20-93C/1,0 - Network cable



1404372

<https://www.phoenixcontact.com/us/products/1404372>

Resistance to oil	in accordance with DIN EN 60811-404
Other resistance	UV resistant
Special properties	Flexible cable conduit capable
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-40 °C ... 70 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
	IP20
Ambient temperature (operation)	-10 °C ... 60 °C (fixed routing)
	-10 °C ... 60 °C (Flexibly installed)

# VS-IP20-IP20-93C/1,0 - Network cable

1404372

<https://www.phoenixcontact.com/us/products/1404372>



## Drawings

Circuit diagram



# VS-IP20-IP20-93C/1,0 - Network cable



1404372

<https://www.phoenixcontact.com/us/products/1404372>

## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

### ETIM

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

### UNSPSC

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

# VS-IP20-IP20-93C/1,0 - Network cable



1404372

<https://www.phoenixcontact.com/us/products/1404372>

## 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 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](mailto:info@phoenixcon.com)