

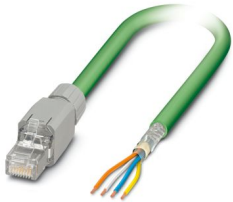
VS-OE-IP20-93B-LI/2,0 - Network cable



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) | 131.346 g |
| Country of origin | PL |

1416128

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

Technical data

Product properties

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

Insulation characteristics

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

Interfaces

| | |
|----------------------|--------------------------------|
| Signal type/category | PROFINET CAT5 (IEC 11801:2002) |
|----------------------|--------------------------------|

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

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



1416128

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

| | |
|----------------------|--------------------|
| Type | Plug straight RJ45 |
| Shielded | yes |
| 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 |

UL 1581, Section 1060 and UL 2556, Section 9.3 (FT1)

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



1416128

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

| | |
|---------------------------------|--|
| Flame resistance | UL 1685 (CSA FT 4) |
| | 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) |

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>

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 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