

**INDUSTRIAL COMPONENT DATA**

# VS-PPC/PL-IP20-93R-LI/5,0 1416249 PHOENIX CONTACT

## Network cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: VS-PPC/PL-IP20-93R-LI/5,0



|                 |                                  |
|-----------------|----------------------------------|
| Manufacturer    | PHOENIX CONTACT                  |
| MPN / Reference | VS-PPC/PL-IP20-93R-LI/5,0        |
| Catalog number  | 1416249                          |
| Category        | Patch cord copper (twisted pair) |
| Minimum order   | 1 Pcs                            |
| Document ID     | EO-746B108033                    |
| Generated       | 2026-08-03                       |

## Product Overview

Network cable

**STRUCTURED PRODUCT DATA**

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                                 |
|--------------|-------------------------------------------------|
| Catalog path | PHOENIX CONTACT > Field Device Connectors (FDC) |
|--------------|-------------------------------------------------|

## Additional Product Information

**Key Commercial Data**

Orderkey 1416249

Packing unit 1 pc

Note Made to Order (non-returnable)

Catalog page Page 311 (PC-2011)

GTIN 4046356473408

Weight per Piece (excluding packing) 342.200 g

Custom tariff number 85444210

Country of origin PL (Poland)

**General data**

Number of positions 4

Characteristics head 1

Material (component) Plastic

Characteristics head 2

Material (component) Plastic

**Cable**

Cable type PROFINET robot CAT5  
Cable type (abbreviation) 93R  
UL AWM style 20233 (80°C/300 V)  
Signal type/category PROFINET CAT5 (IEC 11801), 100 Mbps  
EtherCAT®CAT5 (IEC 11801), 100 Mbps  
Cable structure 1x4xAWG22/19; S/TQ  
Conductor cross section 4x 0.34 mm<sup>2</sup>  
AWG signal line 22  
Conductor structure signal line 19x 0.15 mm  
Core diameter including insulation 1.5 mm  
Wire colors White, yellow, blue, orange  
Overall twist Star quad  
Shielding Tinned copper braided shield  
Optical shield covering 85 %  
External sheath, color green RAL 6018  
Outer sheath thickness approx. 1 mm  
External cable diameter D 6.5 mm ±0.2 mm  
Minimum bending radius, fixed installation 5 x D  
Torsion force ± 180 °/m (1 000 000 torsion cycles)  
Cable weight 55 kg/km  
Outer sheath, material PUR  
Material conductor insulation Foamed PE  
Conductor material Tin-plated Cu litz wires  
Insulation resistance ≥ 500 MΩ\*km  
Loop resistance ≤ 120.00 Ω/km  
Wave impedance 100 Ω ±5 Ω (at 100 MHz)  
Attenuation 2.9 dB (with 1 MHz)  
5 dB (at 4 ΩHz)  
8.1 dB (at 10 MHz)  
10.4 dB (at 16 MHz)  
11.9 dB (at 20 ΩHz)  
15.5 dB (at 31.25 ΩHz)  
26.5 dB (at 62.5 ΩHz)  
41 dB (a...

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send PHOENIX CONTACT / VS-PPC/PL-IP20-93R-LI/5,0 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

**GLOBAL OFFICES**

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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