

INDUSTRIAL COMPONENT DATA

VS-BU/PN-IP20-93R-LI/2,0 1416281 PHOENIX CONTACT

Network cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: VS-BU/PN-IP20-93R-LI/2,0



Manufacturer	PHOENIX CONTACT
MPN / Reference	VS-BU/PN-IP20-93R-LI/2,0
Catalog number	1416281
Category	Patch cord copper (twisted pair)
Minimum order	1 Pcs
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Product Overview

Network cable

Ready-made PROFINET cable, CAT5e, shielded, star quads, flexible AWG 22 (19 wires), RAL 6018 (yellow green), RJ45/IP20 female module for Freenet system, 4 poles in RJ45/IP20 connector, Line, length: 2 m

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 1416281

Packing unit 1 pc

Note Made to Order (non-returnable)

Catalog page Page 310 (PC-2011)

GTIN 4046356473514

Weight per Piece (excluding packing) 152.100 g

Custom tariff number 85444210

Country of origin PL (Poland)

Ambient conditions

Degree of protection IP20

General data

Number of positions 4

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 mm²

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 MHz)

8.1 dB (at 10 MHz)

10.4 dB (at 16 MHz)

11.9 dB (at 20 MHz)

15.5 dB (at 31.25 MHz)

26.5 dB (at 62.5 MHz)

41 dB (at 100 MHz)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VS-BU/PN-IP20-93R-LI/2,0 with the required quantity to info@electricaonline.com or use 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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