

INDUSTRIAL COMPONENT DATA

VS-OE-OE-93R-100,0 1416363 PHOENIX CONTACT Network cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: VS-OE-OE-93R-100,0



Manufacturer	PHOENIX CONTACT
MPN / Reference	VS-OE-OE-93R-100,0
Catalog number	1416363
Category	Data and communication cable
Minimum order	1 Pcs
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Product Overview

Network cable

Network cable, PROFINET CAT5 (100 MBit/s), 4-pole halogen-free, shielded, free cable end, to free cable end, cable length: 100 m, for robotics

Data cable, PROFINET CAT5 (100 Mbps), 4-position, PUR halogen-free, green RAL 6018, shielded, free cable end, on free cable end, cable length: 100 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 > Industrial Field Connectivity (IFC)
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Additional Product Information

Technical dataProduct propertiesProduct type Data cable by the meter

Application Robots and drag chains

Sensor type PROFINET

Number of positions 4

Shielded yes

Electrical propertiesTransmission medium Copper

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

ConnectorConnection 1

Type free cable end

Connection 2

Type free cable end

Cable/line Cable length 100 m
PROFINET robot CAT5 [93R]
Dimensional drawing
Cable weight 55 kg/km
UL AWM Style 20233 (80°C/300 V)
Number of positions 4
Shielded yes
Cable type PROFINET robot CAT5 [93R]
Conductor structure 1x4xAWG22/19, S/TQ
Signal runtime 4.8 ns/m
Conductor structure signal line 19x 0.15 mm
AWG signal line 22
Conductor cross section 4x 0.34 mm²
Wire diameter incl. insulation 1.5 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 Foamed PE
Single wire, color white, yellow, blue, orange
Thickness, outer sheath approx. 1.00 mm
Overall twist Star quad
Optical shield covering 85 %
Insulation resistance $\geq 500 \text{ M}\Omega\cdot\text{km}$
Loop resistance $\leq 120.00 \text{ }\Omega/\text{km}$
Wave impedance $100 \text{ }\Omega \pm 5 \text{ }\Omega$ (at 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
Smallest bending radius, fixed installation 33 mm
Dynamic load capacity (torsion) Torsion: $\pm 180^\circ/\text{m}$, Torsion cycles: 1000000
Shield attenuati...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VS-OE-OE-93R-100,0 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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