

INDUSTRIAL COMPONENT DATA

NBC-M12MRD/ 5,0-93E/M12MRD 1409200 PHOENIX CONTACT

Network cable NBC-MRD/ 5,0-93E/MRD SCO 1409200

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-MRD/ 5,0-93E/MRD SCO



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC-MRD/ 5,0-93E/MRD SCO
Catalog number	1409200
Category	Sensor-actuator patch cord
Minimum order	50 Pcs
Document ID	EO-7980DD88C3
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Product Overview

Network cable - NBC-MRD/ 5,0-93E/MRD SCO - 1409200

Ready-made Ethernet cable, CAT5e, shielded, 2 pairs, flexible AWG 26 (7 wires), RAL 5021 (aqua blue), M12 angled SPEEDCON male connector in SPEEDCON angled M12 male connector, Line, length 5 m

Assembled Ethernet cable, CAT5e, shielded, 2-pair, 26 AWG stranded (7-wire), RAL 5021 (water blue), angled M12 SPEEDCON plug to angled M12 SPEEDCON plug, line, length: 5 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 preassembled

Electrical propertiesNominal voltage UN 48 V AC

60 V DC

Cable/lineEthernet flexible CAT5, 2-pair [93E]

Dimensional drawing

Cable weight 42 kg/km

UL AWM Style 20963 (80°C/30 V)

Wiring standards/regulations Electrical requirements EN 50288-2-2

Number of positions 4

Shielded yes

Cable type Ethernet flexible CAT5, 2-pair [93E]

Conductor structure 2x2xAWG26/7, SF/UTP
Signal runtime 5.3 ns/m
Conductor structure signal line 7x 0.16 mm
AWG signal line 26
Conductor cross section 2x 2x 0.14 mm²
Wire diameter incl. insulation 0.98 mm
External cable diameter 6.40 mm ±0.2 mm
Outer sheath, material PUR
External sheath, color water blue RAL 5021
Conductor material Bare Cu litz wires
Material wire insulation Foamed PE
Single wire, color white/orange-orange, white/green-green
Thickness, outer sheath 1.20 mm
Twisted pairs 2 cores to the pair
Overall twist Two pairs with two fillers to the core
Optical shield covering 70 %
Insulation resistance $\geq 500 \text{ M}\Omega\cdot\text{km}$
Coupling resistance $\leq 100.00 \text{ m}\Omega/\text{m}$ (at 10 MHz)
Loop resistance $\leq 290.00 \text{ }\Omega/\text{km}$
Wave impedance $100 \text{ }\Omega \pm 5 \text{ }\Omega$ (at 100 MHz)
Cable capacity approx. 45 nF/km (at 1 kHz)
Nominal voltage, cable $\leq 100 \text{ V}$ (Peak value, not for high-power applications)
Test voltage Core/Core 700 V (50 Hz, 1 min.)
Test voltage Core/Shield 700.00 V (50 Hz, 1 min.)
Current carrying capacity of cable 2.00 A (according to DIN VDE 0891-1)
Minimum bending radius, fixed installation 4 x D
Minimum bending radius, fle...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-MRD/ 5,0-93E/MRD SCO 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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