

## INDUSTRIAL COMPONENT DATA

# NBC-M12FR/7,0-971/R4AQ VR 1412813 PHOENIX CONTACT

## Network cable NBC-M12FR/7,0-971/R4AQ VR 1412813

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-M12FR/7,0-971/R4AQ VR



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | PHOENIX CONTACT            |
| MPN / Reference | NBC-M12FR/7,0-971/R4AQ VR  |
| Catalog number  | 1412813                    |
| Category        | Sensor-actuator patch cord |
| Minimum order   | 10 Pcs                     |
| Document ID     | EO-CE0360339D              |
| Generated       | 2026-08-05                 |

### Product Overview

Network cable - NBC-M12FR/7,0-971/R4AQ VR - 1412813

Network cable, protection index: IP20, cable length: 7 m, number of poles: 6, CAT5, color: black, VARAN

Network cable, degree of protection: IP20, cable length: 7 m, number of positions: 6, 100 Mbps, CAT5, color: black, VARAN

## 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 &gt; Field Device Connectors (FDC)

### Additional Product Information

Technical dataProduct propertiesProduct type Data cable preassembled

Type M12

Sensor type VARAN

Number of positions 6

No. of cable outlets 1

Shielded yes

Coding A

Data management status

Article revision 08

Insulation characteristics

Overvoltage category I

Degree of pollution 1

Electrical propertiesRated voltage (III/3) 72 V (DC)

Contact resistance  $\leq 5 \text{ m}\Omega$   
Insulation resistance  $\geq 100 \text{ M}\Omega$   
Nominal voltage UN 30 V  
Nominal current IN 2 A  
Transmission medium Copper  
Transmission characteristics (category) CAT5 (IEC 11801:2002)  
Transmission speed 100 Mbps  
Material specifications Color black  
Material PC  
PA  
Material of grip body TPU, hardly inflammable, self-extinguishing  
Contact material CuZn  
Contact surface material Ni/Au  
Contact carrier material TPU GF  
Material for screw connection Zinc die-cast, nickel-plated  
Outer sheath, material SANTOPRENE halogen-free  
Connector Connection 1  
Type Socket angled M12  
Locking type SPEEDCON  
Coding type A  
Insertion/withdrawal cycles  $\geq 100$   
Degree of protection IP65/IP67  
Connection 2  
Type Plug straight RJ45  
Insertion/withdrawal cycles  $\geq 750$   
Degree of protection IP20  
Cable/line Cable length 7.00 m  
VARAN PVC [971]  
UL AWM Style 2461 (80°C/300 V)  
Number of positions 6  
Shielded yes  
Cable type VARAN PVC [971]  
Conductor structure 1x2x24/32+2x2x24/19, SF/UTP  
Signal runtime 5.3 ns/m  
Conductor structure signal line 19x 0.13 mm  
AWG signal line 24  
Conductor cross section 2x 2x 0.25 mm<sup>2</sup> (Signal line)  
2x 0.25 mm<sup>2</sup> (Power supply)  
Wire diameter incl. insulation 1.25 mm (Sig...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-M12FR/7,0-971/R4AQ VR 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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