

INDUSTRIAL COMPONENT DATA

NBC-M12FS/0,5-971/R4AQ VR 1412378 PHOENIX CONTACT

Network cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-M12FS/0,5-971/R4AQ VR



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC-M12FS/0,5-971/R4AQ VR
Catalog number	1412378
Category	Patch cord copper (twisted pair)
Minimum order	50 Pcs
Document ID	EO-ADE85D0959
Generated	2026-08-04

Product Overview

Network cable

Ready-made VARAN cable, shielded, flexible, black, M12 female connector, straight, SPEEDCON, 6 pin in RJ45/IP20 connector, QUICKON, length: 0.5 m

Network cable, protection index: IP20, cable length: 0.5 m, number of poles: 6, 100 MBit/s, CAT5, cable output: straight, 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 > Field Device Connectors (FDC)
--------------	---

Additional Product Information

Key Commercial Data

Orderkey 1412378

Packing unit 1 pc

Minimum order quantity 50 pc

Note Made to Order (non-returnable)

GTIN 4046356962377

Weight per Piece (excluding packing) 22.220 g

Custom tariff number 85444290

Country of origin PL (Poland)

Ambient conditions

Degree of protection IP20

Ambient temperature (operation) 0 °C ... 50 °C (for installation)

-20 °C ... 80 °C (cable, fixed installation)

-25 °C ... 90 °C (Plug / socket)

General data

Rated current at 40°C 2 A

Rated voltage 30 V

Number of positions 6

Overvoltage category I

Degree of pollution 1

Rated voltage (III/3) 72 V (DC)

Contact material CuZn

Contact carrier material TPU GF

Contact surface material Ni/Au

Standards and Regulations

Flammability rating according to UL 94 V0

Cable

Cable type VARAN

Cable type (abbreviation) 971

UL AWM style 2461 (80°C/300 V)

Signal type/category VARAN CAT5 (IEC 11801), 100 Mbps

Cable structure 1X2X24/32+2X2X24/19; SF/UTP

Conductor cross section 2x 2x 0.25 mm² (Signal line)

2x 0.25 mm² (Power supply)

AWG signal line 24

AWG power supply 24

Conductor structure signal line 19x 0.13 mm

Conductor structure, voltage supply 32x 0.10 mm

Core diameter including insulation 1.25 mm (Signal line)

1.4 mm (Power supply)

Wire colors Blue-yellow, green-orange, red-blue

Twisted pairs 2 cores to the pair

Overall twist 3 pairs with filler elements to the core

Shielding Aluminum-coated foil, tinned copper braided shield

Optical shield covering 85 %

External sheath, color black

Outer sheath thickness 0.9....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-M12FS/0,5-971/R4AQ VR 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.