

INDUSTRIAL COMPONENT DATA

NBC-M12FS/6,0-971/R4AQ VR 1412806 PHOENIX CONTACT

Network cable NBC-M12FS/6,0-971/R4AQ VR 1412806

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-M12FS/6,0-971/R4AQ VR



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC-M12FS/6,0-971/R4AQ VR
Catalog number	1412806
Category	Sensor-actuator patch cord
Minimum order	10 Pcs
Document ID	EO-C21F1FF338
Generated	2026-08-05

Product Overview

Network cable - NBC-M12FS/6,0-971/R4AQ VR - 1412806

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

Network cable, degree of protection: IP20, cable length: 6 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 > 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 properties Rated 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
Flammability rating according to UL 94 V0
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 straight M12
Locking type SPEEDCON
Coding type A
Insertion/withdrawal cycles ≥ 100
Degree of protection IP65/IP67
Connection 2
Type Plug straight RJ45
Insertion/withdrawal cycles ≥ 750
Degree of protection IP20
Cable/line Cable length 6.00 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 mm² (Signal line)
2x 0.25 mm² (Power supply)...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-M12FS/6,0-971/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.