INDUSTRIAL COMPONENT DATA

NBC- 6,0-971/M12FS VR 1411674 PHOENIX CONTACT Bus system cable NBC- 6,0-971/M12FS VR 1411674

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC- 6,0-971/M12FS VR
Catalog number	1411674
Category	Sensor-actuator patch cord
Minimum order	25 Pcs
Document ID	EO-2B44E41ED7
Generated	2026-11-19

Product Overview

Bus system cable - NBC- 6,0-971/M12FS VR - 1411674

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)

Additional Product Information

Bus system cable, VARAN, 6-position, PVC, black, shielded, cable length: 6 m, Customer version
Key Commercial Data
Orderkey 1411674
Packing unit 1
GTIN 4046356953979
Custom tariff number 85444290
Dimensions
Length of cable 6 m
Ambient conditions
Ambient temperature (operation) -25 °C ... 90 °C (Plug / socket)
General data
Rated current at 40°C 2 A
Rated voltage 30 V AC
30 V DC
Number of positions 6

Signal type/category VARAN
Overvoltage category II
Degree of pollution 3
Contact material CuZn
Contact carrier material TPU GF
Contact surface material Ni/Au
Standards and Regulations
Flammability rating according to UL 94 HB
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 mm
External cable diameter D 7 mm ±0.2 mm
Minimum bending radius, fixed installation 4 x D
Minimum bending radius, f...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

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