INDUSTRIAL COMPONENT DATA

# NBC- 6,0-971/FR SCO VR 1411678 PHOENIX CONTACT Bus system cable NBC- 6,0-971/FR SCO VR 1411678

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



| | |
|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | NBC- 6,0-971/FR SCO VR |
| Catalog number | 1411678 |
| Category | Sensor-actuator patch cord |
| Minimum order | 25 Pcs |
| Document ID | EO-68038FDE07 |
| Generated | 2026-11-19 |

## Product Overview

Bus system cable - NBC- 6,0-971/FR SCO VR - 1411678

STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

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|---|---|
| Catalog path | PHOENIX CONTACT > Industrial Field Connectivity (IFC) |

## Additional Product Information

Bus system cable, 6-position, PVC, black, shielded, cable length: 6 m, Customer version
Key Commercial Data
Orderkey 1411678
Packing unit 1
GTIN 4046356954013
Custom tariff number 85444290
Dimensions
Length of cable 6 m
Ambient conditions
Ambient temperature (operation) -25 °C ... 90 °C (Plug / socket)
General data
Rated voltage 30 V AC
30 V DC
Number of positions 6
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, flexible installation 8 x D
Number of bending cycles 200000
M...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC- 6,0-971/FR SCO 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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