

NBC-M12FSBP-PG9/5,0-94D/R4AQ - Network cable



1413001

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Network cable, cable length: 5 m, number of positions: 8, Ethernet



Your advantages

- Perfect for industrial applications
- Perfect for office, building, and protected industrial applications (e.g., in control cabinets)
- Compact angle

Commercial data

Item number	1413001
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	ABNPAA
GTIN	4046356980555
Weight per piece (including packing)	293.3 g
Weight per piece (excluding packing)	280.7 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Product type	Circular connectors (device side)
Sensor type	Ethernet
Number of positions	8
Shielded	yes

Insulation characteristics

Degree of pollution	3
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Material specifications

Flammability rating according to UL 94	V2
Outer sheath, material	PVC

Electrical properties

Rated voltage (III/3)	72 V (DC)
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Connector

Connection 1

Type	Flush-type female connector straight M12
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Connection 2

Type	Plug straight RJ45
Degree of protection	IP20

Cable/line

Cable length	5.00 m
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Ethernet [94D]

Dimensional drawing	
Shielded	yes
UL AWM Style	2464 (80°C/300 V)
Cable type	Ethernet
Cable type (abbreviation)	94D
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps

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Cable structure	4x2xAWG26/7, SF/UTP
External cable diameter	6.40 mm ±0.2 mm
Outer sheath, material	PVC (reinforced) UV-resistant
External sheath, color	black RAL 9005
Thickness, outer sheath	0.80 mm
Conductor material	Bare Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	4x 2x 0.14 mm ²
Material wire insulation	PP
Wire diameter incl. insulation	0.98 mm ±0.05 mm
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisted pairs	2 cores to the pair
Overall twist	4 pairs, twisted
Shielding	Aluminum-lined polyester foil, tinned copper braided shield
Optical shield covering	85 %
Nominal voltage, cable	72 V DC 300 V AC
Test voltage Core/Core	2500 V DC (2 s)
Test voltage Core/Shield	2500.00 V DC (2 s)
Cable resistance	< 140 Ω/km
Cable insulation resistance	≥ 5 GΩ*km
Wave impedance	100 Ω ±15 Ω (at 4 ... 100 MHz)
Cable capacity	< 56 nF/km
Signal speed	0.6 c
Tensile strength	80 N
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Resistance to oil	according to IEC 60811-2-1
Flame resistance	According to VW-1
Other resistance	UV resistant (According to UL 1581, Section 1200)
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)

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Classifications

ECLASS

ECLASS-11.0	27060308
ECLASS-12.0	27060308
ECLASS-13.0	27060308

ETIM

ETIM 8.0	EC002599
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	84016fa3-0ed7-4740-86f5-a86c57cdf70a

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