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

1413001

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Network cable, Ethernet CAT5 (1 Gbps), 8-position, PVC (reinforced) UV-resistant, black RAL 9005, shielded, Flush-type female connector straight M12, coding: A / IP65/IP67, on Plug straight RJ45 / IP20, cable length: 5 m

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	1 pc
Note	Made to order (non-returnable)
Sales key	AB18
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

Technical data

Product properties

Product type	Data cable preassembled
Number of positions	8
Shielded	yes

Insulation characteristics

Degree of pollution	3

Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps

Electrical properties

Rated voltage (III/3)	72 V (DC)
Transmission medium	Copper
Transmission speed	1 Gbps

Material specifications

Flammability rating according to UL 94	V2

Connector

Connection 1

Type	Flush-type female connector straight M12 / IP65/IP67
Coding type	A
Degree of protection	IP65/IP67

Connection 2

Type	Plug straight RJ45 / IP20
Number of positions	8
Degree of protection	IP20

Cable/line

Cable length	5 m

Ethernet [94D]

Dimensional drawing	
UL AWM Style	2464 (80°C/300 V)

Number of positions	8
Shielded	yes
Cable type	Ethernet [94D]
Conductor structure	4x2xAWG26/7, SF/UTP
Signal speed	0.6 c
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	4x 2x 0.14 mm²
Wire diameter incl. insulation	0.98 mm ±0.05 mm
External cable diameter	6.40 mm ±0.2 mm
Outer sheath, material	PVC (reinforced) UV-resistant
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Thickness, outer sheath	0.80 mm
Twisted pairs	2 cores to the pair
Overall twist	4 pairs, twisted
Optical shield covering	85 %
Max. conductor resistance	< 140 Ω/km
Insulation resistance	≥ 5 GΩ*km
Wave impedance	100 Ω ±15 Ω (at 4 ... 100 MHz)
Cable capacity	< 56 nF/km
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)
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Tensile strength	80 N
Flame resistance	According to VW-1
Resistance to oil	according to IEC 60811-2-1
Other resistance	UV resistant (according to UL 1581, Section 1200)
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
Ambient temperature (installation)	0 °C ... 50 °C

Classifications

ECLASS

ECLASS-13.0	27060308
ECLASS-15.0	27440103

ETIM

ETIM 9.0	EC001262

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

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.)	No substance above 0.1 wt%

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