

NBC-FSDBP/0,3-93E/R4AC OG - Network cable



1417827

<https://www.phoenixcontact.com/us/products/1417827>

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Network cable, cable length: 0.3 m, number of positions: 4, CAT5, cable outlet: straight, 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	1417827
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	ABNPAB
GTIN	4055626126463
Weight per piece (including packing)	45.5 g
Weight per piece (excluding packing)	44.7 g
Country of origin	PL

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Technical data

Mounting

Mounting type	Screw mounting
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Product properties

Type	M12
Product type	Circular connectors (device side)
Sensor type	Ethernet
Number of positions	4
No. of cable outlets	1
Shielded	yes
Cable outlet	straight

Insulation characteristics

Degree of pollution	3
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Material specifications

Flammability rating according to UL 94	V2
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires

Electrical properties

Rated voltage (III/3)	72 V (DC)
Nominal current I_N	2 A
Transmission medium	Copper
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Transmission speed	100 Mbps

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Connector

Connection 1

Type	Flush-type female connector straight M12
Locking type	SPEEDCON
Degree of protection	IP65/IP67

Connection 2

Type	Plug straight RJ45
Degree of protection	IP20

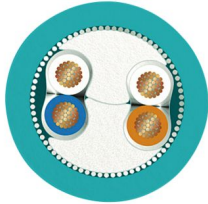
Cable/line

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Cable length	0.30 m
Ethernet [93E]	
Dimensional drawing	
Shielded	yes
Cable weight	43 kg/km
Cable type	Ethernet
Short symbol	J-LI02YS(ST) CH 2 x 2 x 26 AWG
Cable type (abbreviation)	93E
Signal type/category	Ethernet CAT5 (IEC 11801), 100 Mbps
Cable structure	2x2xAWG26/7, SF/UTP
External cable diameter	5.75 mm ±0.15 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	2x 2x 0.14 mm ²
Material wire insulation	Foam-Skin PE
Wire diameter incl. insulation	1 mm -0.2 mm
Single wire, color	white/orange-orange, white/green-green
Twisted pairs	2 cores to the pair
Overall twist	Two pairs with two fillers to the core
Shielding	Plastic-coated aluminum foil, tinned copper braided shield
Optical shield covering	85 %
Nominal voltage, cable	50 V _{rms} 125 V (Peak value, not for high-power applications)
Test voltage Core/Core	1000 V _{rms}
Test voltage Core/Shield	500.00 V _{rms}
Cable resistance	≤ 284 Ω/km
Cable insulation resistance	≥ 5 GΩ*km
Coupling resistance	≤ 5.00 mΩ/m (at 20 MHz)
Wave impedance	100 Ω ±15 % (at 1 ... 100 MHz)
Cable capacity	nom. 48 nF/km (At 800 Hz)
Signal runtime	4.3 ns/m
Signal speed	0.77 c
Interference suppression	approx. 65.00 dB (at 30 MHz)

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Tensile strength	≤ 50 N (temporary)
	≤ 10 N (Permanent)
Smallest bending radius, fixed installation	30 mm (cable, fixed installation)
Smallest bending radius, movable installation	78 mm (Cable, flexible installation)
Near end crosstalk attenuation (NEXT)	66 dB/m (with 1 MHz)
	57 dB/m (at 4 MHz)
	52 dB/m (at 10 MHz)
	50 dB/m (at 16 MHz)
	47 dB/m (at 20 MHz)
	45 dB/m (at 31.25 MHz)
	40 dB/m (at 62.5 MHz)
	36 dB/m (at 100 MHz)
Crosstalk attenuation (ACR)	6.57 dB/m (with 1 MHz)
	5.64 dB/m (at 4 MHz)
	5.12 dB/m (at 10 MHz)
	4.89 dB/m (at 16 MHz)
	4.57 dB/m (at 20 MHz)
	4.34 dB/m (at 31.25 MHz)
	3.77 dB/m (at 62.5 MHz)
	3.31 dB/m (at 100 MHz)
Flame resistance	according to VDE 0482 Part 265-2-1
	according to IEC 332-1

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C (cable, fixed installation)
	-5 °C ... 60 °C (Cable, flexible installation)

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Classifications

ECLASS

ECLASS-11.0	27060308
ECLASS-12.0	27060308
ECLASS-13.0	27060307

ETIM

ETIM 9.0	EC002599
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com