

NBC-FSDBP/6,0-93E/R4AC - Network cable



1417755

<https://www.phoenixcontact.com/us/products/1417755>

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Network cable, cable length: 6 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	1417755
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB18
Product key	ABNPAB
GTIN	4055626123431
Weight per piece (including packing)	294 g
Weight per piece (excluding packing)	312.293 g
Customs tariff number	85444290
Country of origin	PL

Technical data

Mounting

Mounting type	Screw mounting
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Product properties

Product type	Circular connectors (device side)
Type	M12
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	6.00 m
Ethernet [93E]	
Shielded	yes
Cable weight	42 kg/km
Cable type	Ethernet
Cable type (abbreviation)	93E
Signal type/category	Ethernet CAT5 (IEC 11801:2002)
Cable structure	2x2xAWG26/7 PIMF
External cable diameter	6.70 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Conductor structure signal line	7x 0.15 mm
AWG signal line	26
Conductor cross section	2x 2x 0.14 mm ²
Material wire insulation	Cell PE
Wire diameter incl. insulation	≤ 1.05 mm
Single wire, color	white/orange-orange, white/green-green
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Two pairs with two fillers to the core
Shielding	Tinned copper braided shield
Nominal voltage, cable	max. 125 V
Test voltage, cable	1000 V
Cable resistance	≤ 150 Ω/km
Cable insulation resistance	≥ 5 GΩ*km
Coupling resistance	5.00 mΩ/m (at 10 MHz)
Wave impedance	100 Ω ±5 % (at 100 MHz)
Working capacitance	42 pF
Signal speed	0.72 c
Tensile strength	30 N (for installation)
	10 N (in accordance with installation)
Smallest bending radius, movable installation	34 mm
Shield attenuation	60.00 dB (up to 1000 MHz)
Halogen-free	complying with IEC 60754-1/2
Resistance to oil	in accordance with DIN EN 60811-2-1
Concentration of fumes	in accordance with IEC 61034-1/2
Flame resistance	complying with IEC 60332-2-2
Other resistance	Microbe resistance as per VDE 0282 section 10
	Hydrolysis resistance as per DIN 53504
Special properties	Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-10 °C ... 50 °C (Cable, flexible installation)

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	-40 °C ... 70 °C (cable, fixed installation)
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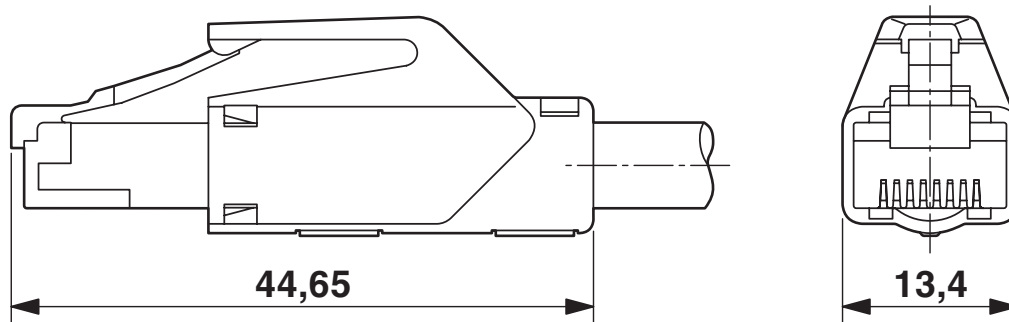
Environmental and real-life conditions

Ambient conditions

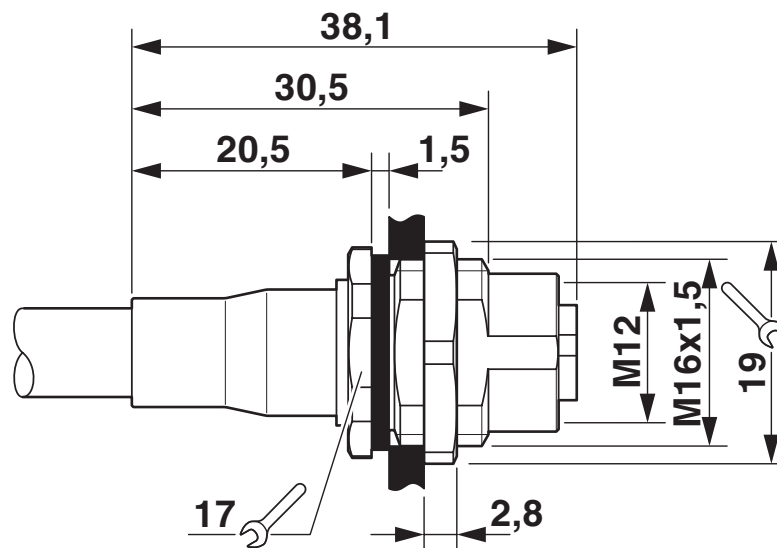
Ambient temperature (operation)	-25 °C ... 60 °C (cable, fixed installation)
	-5 °C ... 60 °C (Cable, flexible installation)

Drawings

Dimensional drawing



Dimensional drawing



M12 flush-type connector

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Approvals

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EAC

Approval ID: 19060508

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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

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	419a7c39-45d3-4f6a-b329-6d42d8af4a71