

1418004

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Network cable, cable length: 1 m, number of positions: 8, 1 Gbps, 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	1418004
Packing unit	1 pc
Minimum order quantity	25 pc
Note	Made to order (non-returnable)
Sales key	ABNPAA
Product key	ABNPAA
GTIN	4055626130613
Weight per piece (including packing)	85.3 g
Weight per piece (excluding packing)	77.831 g
Customs tariff number	85444290
Country of origin	PL



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Technical data

Mounting

Mounting type	Rear wall/screw mounting
roduct properties	

Product properties

Product type	Circular connectors (device side)
Туре	M12
Sensor type	Ethernet
Number of positions	8
No. of cable outlets	1
Shielded	yes
Cable outlet	straight
Inculation characteristics	

Insulation characteristics

Degree of pollution	3
Degree of pollution	3

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	1 Gbps
Wave impedance	100 Ω

Mechanical properties

Insertion/withdrawal cycles	≥ 100

Connector

Connection 1

Туре	Flush-type female connector straight M12
Locking type	SPEEDCON
Coding type	A
Degree of protection	IP65/IP67

Connection 2

Туре	Plug straight RJ45
Degree of protection	IP20



1418004

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Cable/line

Cable length	1.00 m
Ethernet flexible CAT5, 4-pair [94B]	
Dimensional drawing	
Cable weight	47 kg/km
UL AWM Style	20963 (80°C/30 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet flexible CAT5, 4-pair [94B]
Conductor structure	4x2xAWG26/7, SF/UTP
Signal runtime	5.3 ns/m
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	4x 2x 0.14 mm²
Wire diameter incl. insulation	0.96 mm
External cable diameter	6.40 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	Foamed PE
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Thickness, outer sheath	1.05 mm
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Optical shield covering	70 %
Insulation resistance	≥ 5 GΩ*km
Coupling resistance	≤ 100.00 mΩ/m (at 10 MHz)
Loop resistance	≤ 290.00 Ω/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Cable capacity	48 nF/km (at 1 kHz)
Nominal voltage, cable	≤ 100 V
Test voltage Core/Core	700 V (50 Hz, 1 min.)
Test voltage Core/Shield	700.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D



1418004

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Smallest bending radius, movable installation ≤ 100 N Near end crosstalk attenuation (NEXT) 71.3 dB (with 1 MHz) 62.3 dB (at 4 MHz) 65.3 dB (at 10 MHz) 56.3 dB (at 10 MHz) 51.8 dB (at 20 MHz) 48.9 dB (at 31.25 MHz) 44.4 dB (at 62.5 MHz) 44.4 dB (at 62.5 MHz) 41.3 dB (at 100 MHz) Power-summated near end crosstalk attenuation (PSNEXT) 62.3 dB (with 1 MHz) 53.3 dB (at 4 MHz) 42.4 dB (at 20 MHz) 44.2 dB (at 100 MHz) 44.2 dB (at 100 MHz) 44.2 dB (at 100 MHz) 44.2 dB (at 100 MHz) 44.2 dB (at 100 MHz) 39.9 dB (at 31.25 MHz) 39.9 dB (at 31.25 MHz) 32.3 dB (at 4 MHz) 44.1 dB (at 8 MHz) 24.1 dB (at 8 MHz) 25 dB (at 10 MHz) 25 dB (at 10 MHz) 25 dB (at 10 MHz) 25 dB (at 10 MHz) 25 dB (at 10 MHz) 21.5 dB (at 20 MHz) 21.1 dB (at 8 MHz) 22.5 dB (at 10 MHz) 21.1 dB (at 8 MHz) 22.1 dB (at 20 MHz) 21.1 dB (at 31.25 MHz) 24.1 dB (at 8 MHz) 25 dB (at 10 MHz) 24.1 dB (at 8 MHz) 26 dB (at 20 MHz) 24.1 dB (at 8 MHz) 27	Smallest bending radius, fixed installation	26 mm
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24.8 dB (at 62.5 MHz) 32 dB (at 100 MHz) Halogen-free according to IEC 60754-1 Flame resistance according to IEC 60332-1-2		13.6 dB (at 20 MHz)
Halogen-free according to IEC 60754-1 Flame resistance according to IEC 60332-1-2		17.1 dB (at 31.25 MHz)
Halogen-free according to IEC 60754-1 Flame resistance according to IEC 60332-1-2		24.8 dB (at 62.5 MHz)
Flame resistance according to IEC 60332-1-2		32 dB (at 100 MHz)
	Halogen-free	according to IEC 60754-1
Resistance to oil in accordance with EN 60811-2-1	Flame resistance	according to IEC 60332-1-2
	Resistance to oil	in accordance with EN 60811-2-1
Ambient temperature (operation) -40 °C 80 °C (cable, fixed installation)	Ambient temperature (operation)	
-20 °C 80 °C (Cable, flexible installation)		
Ambient temperature (installation) -20 °C 80 °C	Ambient temperature (installation)	-20 °C 80 °C



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1418004



EAC

Approval ID: 19060508



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Classifications

	ECLASS-13.0	27440103	
ETIM			
	ETIM 9.0	EC003570	
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	8b33d42f-843a-4be5-8821-25f19ba953aa

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