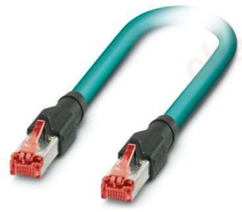
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NBC-R4AC/2,0-94Z/R4AC - Network cable

1403929

https://www.phoenixcontact.com/pc/products/1403929

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Assembled Ethernet cable, shielded, 4-pair, 26 AWG stranded (7-wire), RAL 5021 (water blue), RJ45 plug/IP20 to RJ45 plug/IP20, line, length: 2 m

Commercial data

Item number	1403929
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABNABM
Catalog page	Page 386 (C-2-2019)
GTIN	4046356673969
Weight per piece (including packing)	118 g
Weight per piece (excluding packing)	115 g
Customs tariff number	85444210
Country of origin	CN

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Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 BASIC IE8 CAT5
Sensor type	Ethernet
Number of positions	8
No. of cable outlets	1
Cable outlet	straight

Insulation characteristics

Degree of pollution	2

Electrical properties

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 750

Material specifications

Flammability rating according to UL 94	V2

Connector

Connection 1

Type	Plug straight RJ45
Handle color	gray
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PC (Contact carriers)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

Connection 2

Type	Plug straight RJ45
Handle color	gray
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PC (Contact carriers)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750

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Degree of protection	IP20

Cable/line

Cable length	2.00 m

Ethernet flexible CAT5, 4-pair, SF/UTP [94Z]

Number of positions	8
Shielded	yes
Cable type	Ethernet flexible CAT5, 4-pair, SF/UTP [94Z]
Conductor structure	4x2xAWG26/7, SF/UTP
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	4x 2x 0.14 mm²
Wire diameter incl. insulation	0.92 mm
External cable diameter	6.20 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	PE
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Thickness, insulation	0.19 mm (Signal line)
Twisted pairs	2 cores to the pair
Overall twist	4 pairs
Optical shield covering	85 %
Max. conductor resistance	≤ 290 Ω/km (at 20 °C)
Insulation resistance	≥ 500 MΩ*km (at 20 °C)
Wave impedance	100 Ω ±15 Ω (at 100 MHz)
Test voltage Core/Core	700 V (50 Hz, 1 min.)
Test voltage Core/Shield	700.00 V (50 Hz, 1 min.)
Smallest bending radius, fixed installation	51.2 mm
Smallest bending radius, movable installation	51.2 mm
Halogen-free	according to IEC 60754-1
Flame resistance	IEC 60332-1-2
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-20 °C ... 80 °C
	-20 °C ... 80 °C
	-20 °C ... 80 °C
Ambient temperature (installation)	-20 °C ... 80 °C

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 70 °C (RJ45 connector)

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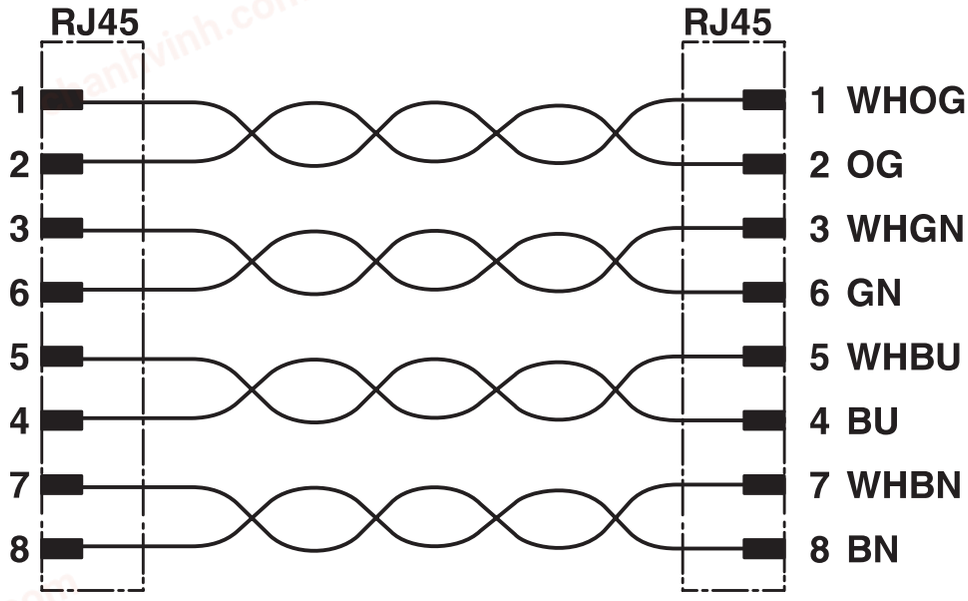
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Drawings

Circuit diagram



Contact assignment of RJ45 plugs

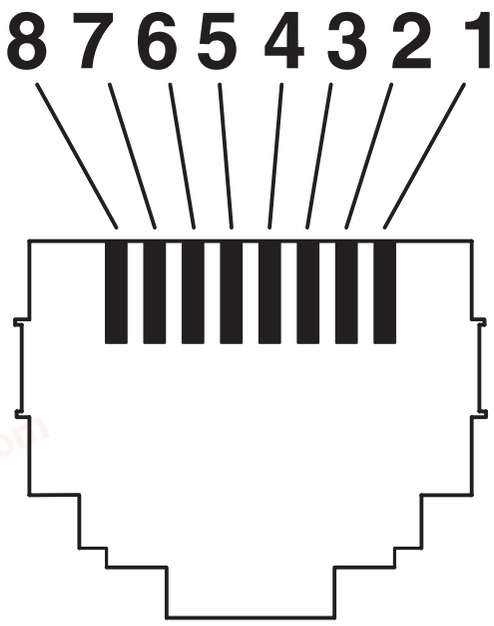
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Schematic diagram



Connector pin assignment plug RJ45

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1403929

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	EC001855

UNSPSC

UNSPSC 21.0	26121600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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