

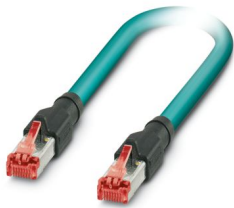
NBC-R4AC/20,0-94Z/R4AC - Network cable



1423033

<https://www.phoenixcontact.com/us/products/1423033>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Assembled Ethernet cable, shielded, 4-pair, 26 AWG stranded (7-wire), RAL 5021 (water blue), RJ45 connector/IP20 to RJ45 connector/IP20, line, length: 20 m

Commercial data

Item number	1423033
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABM
GTIN	4055626323749
Weight per piece (including packing)	975 g
Weight per piece (excluding packing)	938 g
Customs tariff number	85444210
Country of origin	CN

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 speed	1 Gbps
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 carrier)
	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 carrier)
	PA (Housing)

NBC-R4AC/20,0-94Z/R4AC - Network cable



1423033

<https://www.phoenixcontact.com/us/products/1423033>

Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

Cable/line

Cable length	20.00 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 mm ²
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
----------------------	------

NBC-R4AC/20,0-94Z/R4AC - Network cable



1423033

<https://www.phoenixcontact.com/us/products/1423033>

Ambient temperature (operation)	-20 °C ... 70 °C (RJ45 connector)
---------------------------------	-----------------------------------

Drawings

Schematic diagram

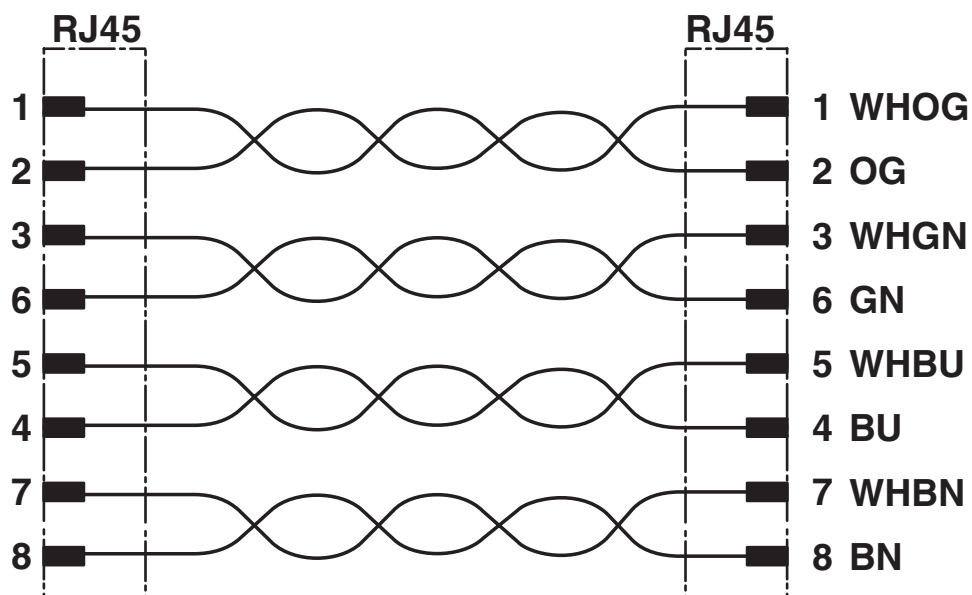


Connector pin assignment plug RJ45

1423033

<https://www.phoenixcontact.com/us/products/1423033>

Circuit diagram



Contact assignment of RJ45 plugs

NBC-R4AC/20,0-94Z/R4AC - Network cable



1423033

<https://www.phoenixcontact.com/us/products/1423033>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1423033>



EAC

Approval ID: 19060508

NBC-R4AC/20,0-94Z/R4AC - Network cable



1423033

<https://www.phoenixcontact.com/us/products/1423033>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 9.0	EC001855
----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

NBC-R4AC/20,0-94Z/R4AC - Network cable



1423033

<https://www.phoenixcontact.com/us/products/1423033>

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%

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

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