

# NBC-R4AC/5,0-94Z/R4AC - Network cable



1403933

<https://www.phoenixcontact.com/us/products/1403933>

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, AWG 26 stranded (7-wire), RAL 5021 (sea blue), RJ45 connector/IP20 to RJ45 connector/IP20, line, length 5 m

## Commercial data

Item number	1403933
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABM
GTIN	4046356674003
Weight per piece (including packing)	254.2 g
Weight per piece (excluding packing)	254.2 g
Customs tariff number	85444210
Country of origin	CN

1403933

<https://www.phoenixcontact.com/us/products/1403933>

## Technical data

### Product properties

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

### Insulation characteristics

Degree of pollution	2
---------------------	---

### Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps
----------------------	--

### 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)

# NBC-R4AC/5,0-94Z/R4AC - Network cable



1403933

<https://www.phoenixcontact.com/us/products/1403933>

	PC (Contact carrier)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

## Cable/line

Cable length	5.00 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 <sup>2</sup>
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

# NBC-R4AC/5,0-94Z/R4AC - Network cable



1403933

<https://www.phoenixcontact.com/us/products/1403933>

## Ambient conditions

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

# NBC-R4AC/5,0-94Z/R4AC - Network cable

1403933

<https://www.phoenixcontact.com/us/products/1403933>



## Drawings

### Schematic diagram



Connector pin assignment plug RJ45

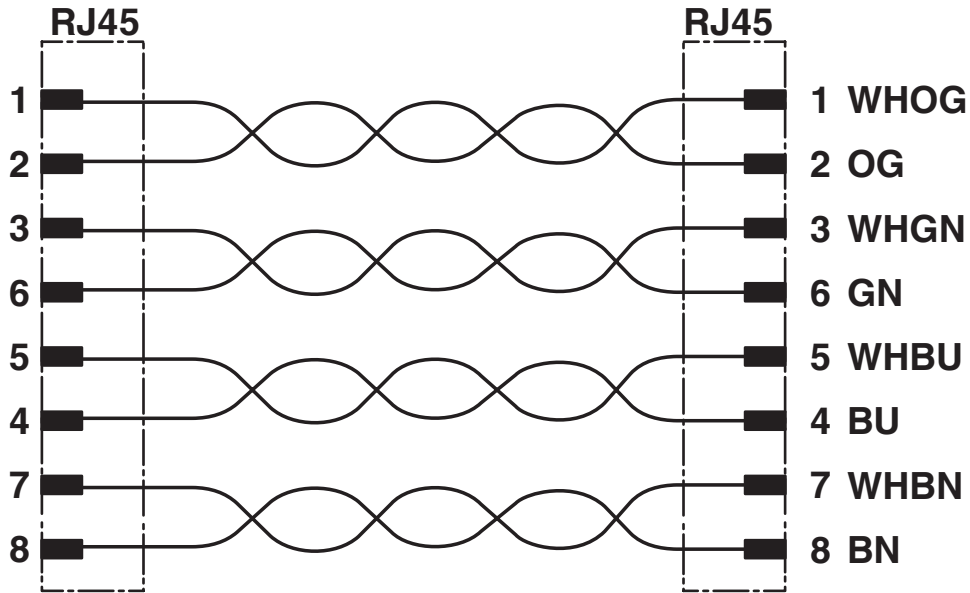
# NBC-R4AC/5,0-94Z/R4AC - Network cable



1403933

<https://www.phoenixcontact.com/us/products/1403933>

Circuit diagram



Contact assignment of RJ45 plugs

# NBC-R4AC/5,0-94Z/R4AC - Network cable



1403933

<https://www.phoenixcontact.com/us/products/1403933>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1403933>



**EAC**

Approval ID: 19060508

# NBC-R4AC/5,0-94Z/R4AC - Network cable



1403933

<https://www.phoenixcontact.com/us/products/1403933>

## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

### UNSPSC

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

# NBC-R4AC/5,0-94Z/R4AC - Network cable



1403933

<https://www.phoenixcontact.com/us/products/1403933>

## 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	5.678 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)