

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
Catalog page	Page 386 (C-2-2019)
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

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



1403933

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

Technical data

Product properties

Product type	Data cable preassembled
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
Number of positions	8
Insertion/withdrawal cycles	750

Connection 2

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

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



1403933

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

Insertion/withdrawal cycles	≥ 750
Number of positions	8
Degree of protection	IP20

Cable/line

Cable length	5.00 m
--------------	--------

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

Shielded	yes
Cable type	Ethernet flexible CAT5, 4-pair, SF/UTP
Cable type (abbreviation)	94Z
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
Cable structure	4x2xAWG26/7, SF/UTP
External cable diameter	6.2 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	4x 2x 0.14 mm ²
Material wire insulation	PE
Thickness, insulation	0.19 mm (Signal line)
Wire diameter incl. insulation	0.92 mm
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisted pairs	2 cores to the pair
Overall twist	4 pairs
Shielding	Tinned copper braided shield
Optical shield covering	85 %
Test voltage Core/Core	700 V (50 Hz, 1 min.)
Test voltage Core/Shield	700 V (50 Hz, 1 min.)
Cable resistance	≤ 290 Ω/km (at 20 °C)
Cable insulation resistance	≥ 500 MΩ*km (at 20 °C)
Wave impedance	100 Ω ±15 Ω (at 100 MHz)
Smallest bending radius, fixed installation	51.2 mm
Smallest bending radius, movable installation	51.2 mm
Halogen-free	according to IEC 60754-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Flame resistance	IEC 60332-1-2

Environmental and real-life conditions

Ambient conditions

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

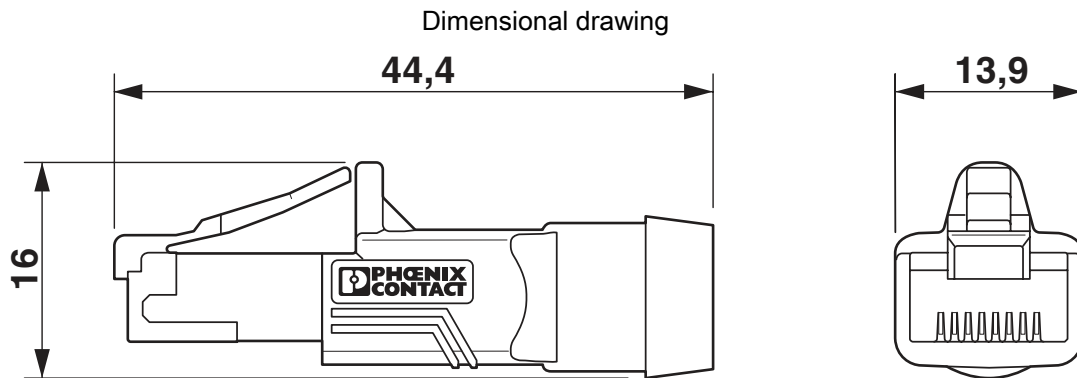
NBC-R4AC/5,0-94Z/R4AC - Network cable



1403933

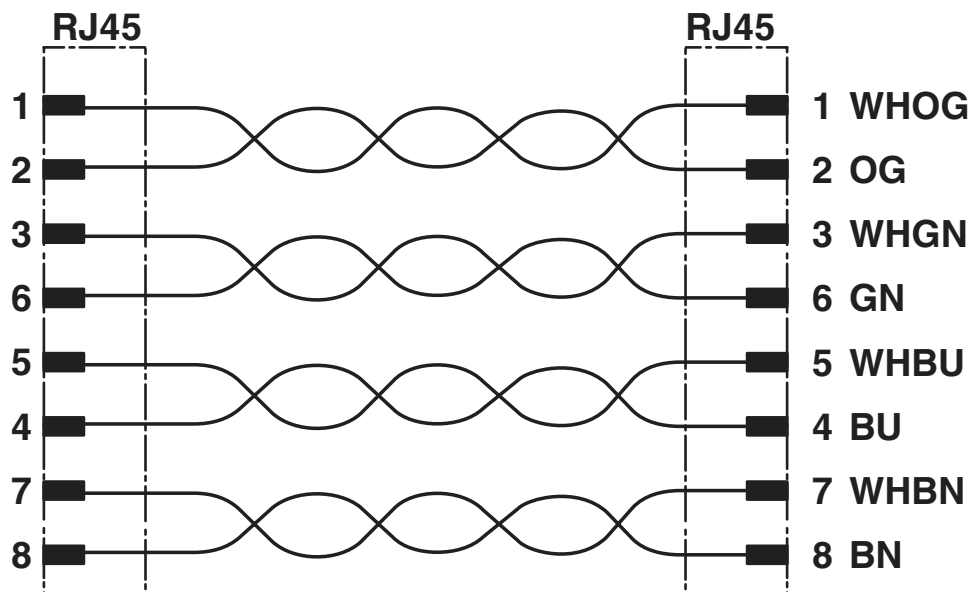
<https://www.phoenixcontact.com/us/products/1403933>

Drawings



RJ45 connector, IP20

Circuit diagram



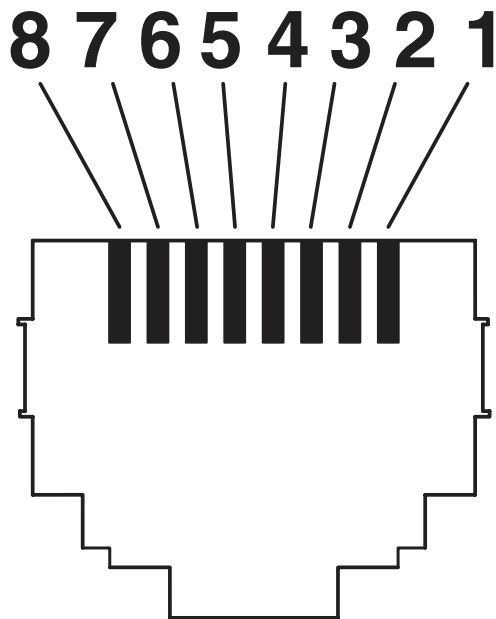
NBC-R4AC/5,0-94Z/R4AC - Network cable

1403933

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



Schematic diagram



Connector pin assignment plug RJ45

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-11.0	27060308
ECLASS-12.0	27060308
ECLASS-13.0	27060308

ETIM

ETIM 8.0	EC002599
----------	----------

UNSPSC

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

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



1403933

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

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
------------	---

Phoenix Contact 2023 © - 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