

## Network cable - NBC-R4AC/20,0-94Z/R4AC - 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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 0 5 5 6 2 6 3 2 3 7 4 9
GTIN	4055626323749

### Technical data

#### Dimensions

Length of cable	20.00 m
-----------------	---------

#### Ambient conditions

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

#### General data

Number of positions	8
Degree of pollution	2
Alternative short product description	Ethernet cable
Rated voltage (III/3)	72 V (DC)

#### Characteristics head 1

Color	gray
Material (component)	CuSn (Contact)
	Ni/Au (Contact surface)
	PC (Contact carriers)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750

#### Characteristics head 2

# Network cable - NBC-R4AC/20,0-94Z/R4AC - 1423033

## Technical data

### Characteristics head 2

Color	gray
Material (component)	CuSn (Contact)
	Ni/Au (Contact surface)
	PC (Contact carriers)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750

### Standards and Regulations

Flammability rating according to UL 94	V2
--	----

### Cable

Cable type	Ethernet
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
Cable structure	4x2xAWG26/7; SF/UTP
Conductor cross section	4x 2x 0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	0.92 mm
Thickness, insulation	0.19 mm (Signal line)
Wire colors	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 %
External sheath, color	water blue RAL 5021
External cable diameter D	6.2 mm ±0.2 mm
Smallest bending radius, fixed installation	51.2 mm
Smallest bending radius, movable installation	51.2 mm
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 500 MΩ*km (at 20 °C)
Conductor resistance	≤ 290 Ω/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 V (50 Hz, 1 min.)
Flame resistance	IEC 60332-1-2
Halogen-free	according to IEC 60754-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (installation)	-20 °C ... 80 °C

### Environmental Product Compliance

# Network cable - NBC-R4AC/20,0-94Z/R4AC - 1423033

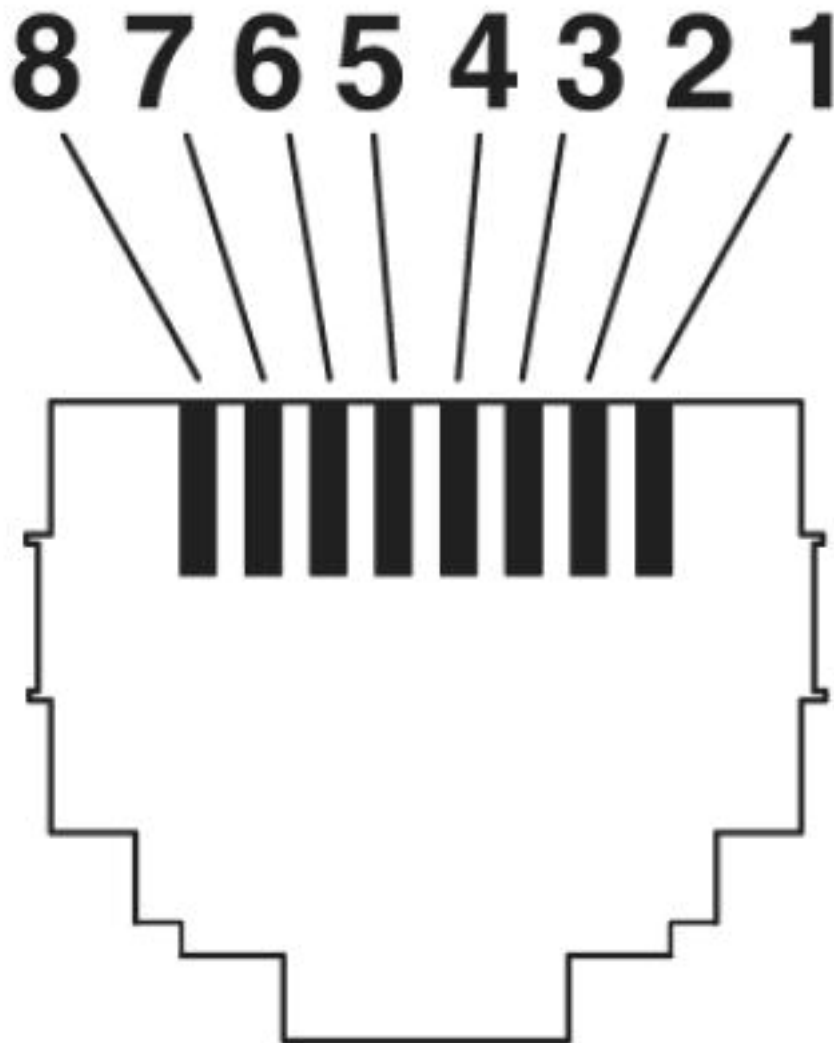
## Technical data

### Environmental Product Compliance

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

## Drawings

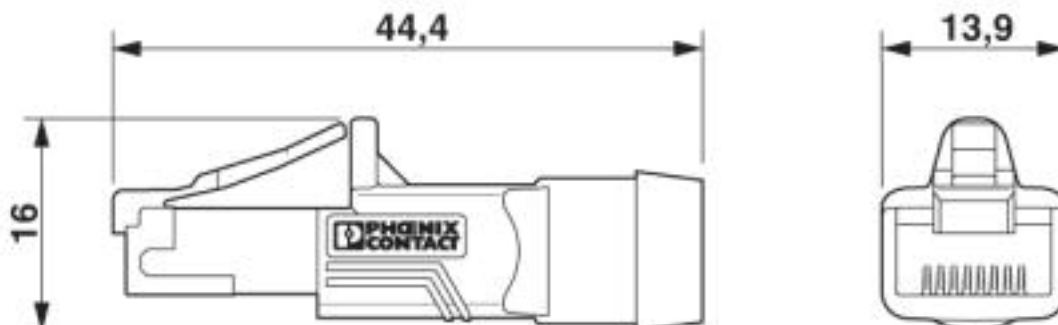
Schematic diagram



Connector pin assignment plug RJ45

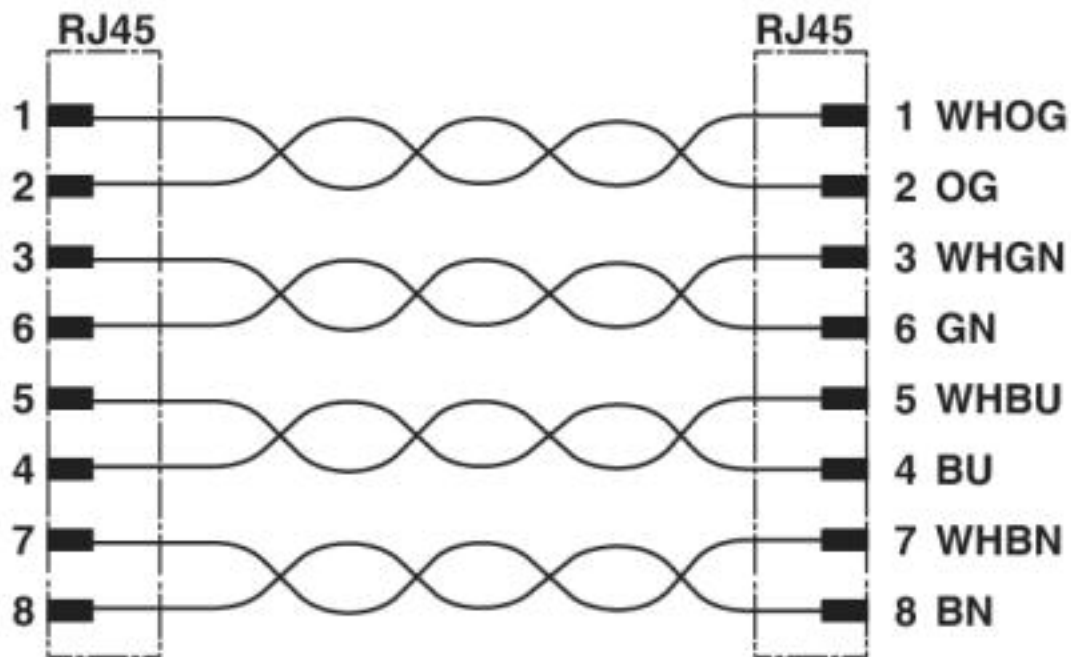
# Network cable - NBC-R4AC/20,0-94Z/R4AC - 1423033

Dimensional drawing



RJ45 connector, IP20

Circuit diagram



Contact assignment of RJ45 plugs

Approvals

Approvals

Approvals

EAC

Ex Approvals

## Network cable - NBC-R4AC/20,0-94Z/R4AC - 1423033

### Approvals

---

#### Approval details

EAC		B.00767
-----	---	---------

---

Phoenix Contact 2019 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>