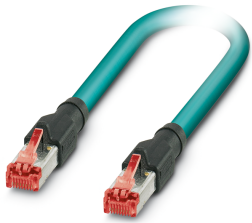


## Network cable - NBC-R4AC/20,0-94Z/R4AC - 1423033


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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
Fixed cable length	20 m

#### Ambient conditions

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

Number of positions	8
Flammability rating according to UL 94	V2
Degree of pollution	2
Alternative short product description	Ethernet cable
Rated voltage (III/3)	72 V (DC)
Insertion/withdrawal cycles	≥ 750
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps

#### Characteristics head 1

Color	gray
Material (component)	CuSn (Contact)

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

## Technical data

### Characteristics head 1

	Ni/Au (Contact surface)
	PC (Contact carriers)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750

### Characteristics head 2

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

### Cable

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
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

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

## Technical data

### Cable

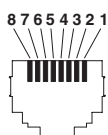
Halogen-free	according to IEC 60754-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (installation)	-20 °C ... 80 °C
Shielded	yes

### Environmental Product Compliance

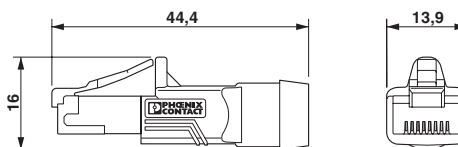
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Schematic diagram



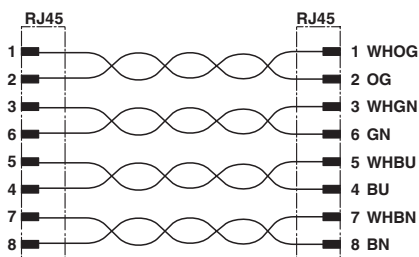
Dimensional drawing



RJ45 connector, IP20

Connector pin assignment plug RJ45

Circuit diagram



Contact assignment of RJ45 plugs

## Classifications

eCl@ss

eCl@ss 10.0.1	27061801
eCl@ss 11.0	27061801
eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800

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

## Classifications

### eCl@ss

eCl@ss 7.0	27061801
eCl@ss 9.0	27061801

### ETIM

ETIM 6.0	EC000830
ETIM 7.0	EC003249

### UNSPSC

UNSPSC 13.2	26121604
UNSPSC 18.0	26121604
UNSPSC 19.0	26121604
UNSPSC 20.0	26121604
UNSPSC 21.0	26121600

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

EAC		19060508
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