

## Network cable - NBC-R4AC/0,3-94Z/R4AC - 1423032


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Network cable, contact inserts: x , degree of protection: IP20, cable length: 0.3 m, number of positions: 8, 1 Gbps, CAT5, cable outlet: straight



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 STK   |
| GTIN         | <br>4 055626 323732 |
| GTIN         | 4055626323732   |

### Technical data

#### Dimensions

|                 |       |
|-----------------|-------|
| Length of cable | 0.3 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/0,3-94Z/R4AC - 1423032

## 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 |
|--|----|

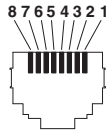
### Cable

|   |  |
|---|--|
| 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   |

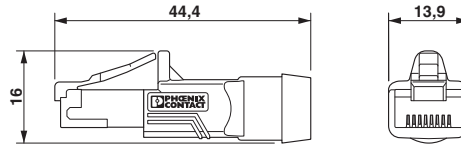
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## Drawings

Schematic diagram



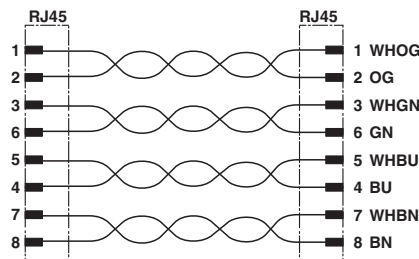
Dimensional drawing



RJ45 connector, IP20

Connector pin assignment plug RJ45

Circuit diagram



Contact assignment of RJ45 plugs