

NBC-R4AC/1,75-94Z/R4AC - Network cable



1423433

<https://www.phoenixcontact.com/us/products/1423433>

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, 26 AWG stranded (7-wire), RAL 5021 (water blue), RJ45 connector/IP20 to RJ45 connector/IP20, line, length: 1.75 m

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1423433 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB11 |
| Product key | ABNABM |
| GTIN | 4055626343198 |
| Weight per piece (including packing) | 106.5 g |
| Weight per piece (excluding packing) | 106.5 g |
| Customs tariff number | 85444210 |
| Country of origin | CN |

NBC-R4AC/1,75-94Z/R4AC - Network cable



1423433

<https://www.phoenixcontact.com/us/products/1423433>

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/1,75-94Z/R4AC - Network cable



1423433

<https://www.phoenixcontact.com/us/products/1423433>

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

Cable/line

| | |
|--------------|--------|
| Cable length | 1.75 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 ² |
| 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/1,75-94Z/R4AC - Network cable



1423433

<https://www.phoenixcontact.com/us/products/1423433>

Ambient conditions

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

NBC-R4AC/1,75-94Z/R4AC - Network cable

1423433

<https://www.phoenixcontact.com/us/products/1423433>



Drawings

Schematic diagram



Connector pin assignment plug RJ45

NBC-R4AC/1,75-94Z/R4AC - Network cable



1423433

<https://www.phoenixcontact.com/us/products/1423433>

Circuit diagram



Contact assignment of RJ45 plugs

NBC-R4AC/1,75-94Z/R4AC - Network cable



1423433

<https://www.phoenixcontact.com/us/products/1423433>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1423433>



EAC

Approval ID: 19060508

NBC-R4AC/1,75-94Z/R4AC - Network cable



1423433

<https://www.phoenixcontact.com/us/products/1423433>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27060307 |
| ECLASS-15.0 | 27060307 |

UNSPSC

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

NBC-R4AC/1,75-94Z/R4AC - Network cable



1423433

<https://www.phoenixcontact.com/us/products/1423433>

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 | 2.489 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