

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



1199423

<https://www.phoenixcontact.com/us/products/1199423>

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.



Network cable, degree of protection: IP20, cable length: 5 m, number of positions: 8, CAT5e, cable outlet: straight, Ethernet, 4x2xAWG24/7; SF/UTP, turquoise

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1199423 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB11 |
| Product key | ABNABE |
| GTIN | 4063151258085 |
| Weight per piece (including packing) | 354.554 g |
| Weight per piece (excluding packing) | 354.554 g |
| Customs tariff number | 85444290 |
| Country of origin | US |

1199423

<https://www.phoenixcontact.com/us/products/1199423>

Technical data

Product properties

| | |
|----------------------|--------------------------|
| Product type | Data cable preassembled |
| Product family | RJ45 INDUSTRIAL IE8 CAT5 |
| Sensor type | Ethernet |
| Number of positions | 8 |
| No. of cable outlets | 1 |
| Number of slots | 1 |
| Shielded | yes |
| Cable outlet | straight |

Signaling

| | |
|------------------------|----|
| Status display | no |
| Status display present | no |

Electrical properties

| | |
|-----------------------|---------|
| Nominal voltage U_N | 30 V AC |
| Nominal current I_N | 1.5 A |
| Transmission medium | Copper |

Mechanical properties

Mechanical data

| | |
|-----------------------------|------------|
| Insertion/withdrawal cycles | ≥ 750 |
|-----------------------------|------------|

Material specifications

| | |
|--|-----|
| Flammability rating according to UL 94 | V0 |
| Outer sheath, material | TPE |

Connector

Connection 1

| | |
|---------------------------------|------------------------|
| Type | Plug straight RJ45 |
| Handle color | black |
| Material | (Contact) |
| | Gold (Contact surface) |
| | PVC (Housing) |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 85 °C |

Connection 2

| | |
|--------------|--------------------|
| Type | Plug straight RJ45 |
| Handle color | black |

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



1199423

<https://www.phoenixcontact.com/us/products/1199423>

| | |
|---------------------------------|------------------------|
| Material | (Contact) |
| | Gold (Contact surface) |
| | PVC (Housing) |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 85 °C |

Cable/line

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

Highly flexible Ethernet CAT5e [94L]

| | |
|---------------------------------|--|
| Dimensional drawing |  |
| UL AWM Style | 2463 (80 °C / 600 V) |
| Number of positions | 8 |
| Shielded | yes |
| Cable type | Highly flexible Ethernet CAT5e [94L] |
| Conductor structure | 4x2xAWG24/7; SF/UTP |
| Conductor structure signal line | 7x 0.20 mm (7x32) |
| AWG signal line | 24 |
| Conductor cross-section | 4x 2x 0.2 mm ² |
| Wire diameter incl. insulation | 1.2 mm |
| External cable diameter | 7.40 mm ±0.25 mm |
| Outer sheath, material | TPE |
| External sheath, color | turquoise |
| Conductor material | Tin-plated Cu litz wires |
| Material wire insulation | PE |
| 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 for core |
| Optical shield covering | 75 % |
| Wave impedance | 100 Ω ±15 Ω (at 100 MHz) |
| Cable impedance | 100 Ω ±15 Ω (at 1 ... 100 MHz) |
| Nominal voltage, cable | 600 V |
| Test voltage | 2000 V |
| Dynamic load capacity (bending) | Max. bending cycles: 1000000, Bending radius: 10 x D, Traversing path: 0.23 m, Traversing rate: 1.5 m/s, Acceleration: 20.5 m/s ² |

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



1199423

<https://www.phoenixcontact.com/us/products/1199423>

| | |
|---------------------------------------|--|
| | Max. bending cycles: 10000000, Bending radius: 20 X D (126 cycles/min. at 20 °C) |
| Dynamic load capacity (torsion) | Torsion: 360 °/m (1 lb. load), Torsion cycles: 4800000, Torsional frequency: 71 cycles/min, Ambient temperature (operation): 20 °C |
| Near end crosstalk attenuation (NEXT) | 50 dB (with 100 MHz (IEC 62153-4-9)) |
| Return attenuation (RL) | 20 dB (at 10 MHz (+6LOG)) |
| | 26 dB (at 20 MHz) |
| | 26 dB (at 100 MHz (-5LOG)) |
| Flame resistance | VW-1 |
| Other resistance | Resistant to welding splashes (Abrasion and oil resistance) |
| | UV resistant (CMX outdoor) |
| Ambient temperature (operation) | -40 °C ... 80 °C (Cable, flexible installation) |

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

1199423

<https://www.phoenixcontact.com/us/products/1199423>



Drawings

Dimensional drawing



RJ45 connector, IP20

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

1199423

<https://www.phoenixcontact.com/us/products/1199423>



Schematic diagram



Connector pin assignment plug RJ45

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



1199423

<https://www.phoenixcontact.com/us/products/1199423>

Circuit diagram



Contact assignment of RJ45 plugs

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





1199423

<https://www.phoenixcontact.com/us/products/1199423>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1199423>

|  UL Listed Approval ID: File E335024 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 60 V | 0.5 A | - | - |

|  cUL Listed Approval ID: File E335024 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 60 V | 0.5 A | - | - |

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



1199423

<https://www.phoenixcontact.com/us/products/1199423>

Classifications

ECLASS

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

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



1199423

<https://www.phoenixcontact.com/us/products/1199423>

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% |
|-------------------------------------|----------------------------|

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