

# NBC-4X2X26-OE-OE-94B-300,0 SH - Cable reel



1422114

<https://www.phoenixcontact.com/us/products/1422114>

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Cable reel, 8-position, PUR halogen-free, water blue RAL 5021, cable length: 300 m



## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1422114                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF16                           |
| Product key                          | AF1IIC                         |
| GTIN                                 | 4055626325644                  |
| Weight per piece (including packing) | 22.22 g                        |
| Weight per piece (excluding packing) | 22.22 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

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## Technical data


### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Data cable by the meter |
| Application         | Connector               |
| Number of positions | 8                       |

### Cable/line

|              |       |
|--------------|-------|
| Cable length | 300 m |
|--------------|-------|

#### Ethernet flexible CAT5, 4-pair [94B]

|                                 |   |
|---------------------------------|---|
| Dimensional drawing             |  |
| Cable weight                    | 47 kg/km  |
| UL AWM Style                    | 20963 (80°C/30 V)   |
| Number of positions             | 8   |
| Shielded                        | yes   |
| Cable type                      | Ethernet flexible CAT5, 4-pair [94B]  |
| Conductor structure             | 4x2xAWG26/7, SF/UTP   |
| Signal runtime                  | 5.3 ns/m  |
| Conductor structure signal line | 7x 0.16 mm  |
| AWG signal line                 | 26  |
| Conductor cross-section         | 4x 2x 0.14 mm <sup>2</sup>  |
| Wire diameter incl. insulation  | 0.98 mm   |
| External cable diameter         | 6.40 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           | 0.25 mm   |
| Thickness, outer sheath         | 1.00 mm   |
| Twisted pairs                   | 2 cores to the pair   |
| Overall twist                   | 4 pairs for core  |
| Optical shield covering         | 70 %  |
| Max. conductor resistance       | ≤ 290 Ω/km  |
| Insulation resistance           | ≥ 500 MΩ*km   |

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|   |   |
|---|---|
| Coupling resistance                           | ≤ 100.00 mΩ/m (at 10 MHz)   |
| Wave impedance                                | 100 Ω ±5 Ω (at 100 MHz)   |
| Working capacitance                           | 48 nF (at 1 kHz)  |
| Nominal voltage, cable                        | ≤ 100 V<br>300 V (Outer cable sheath)   |
| 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   | 25.6 mm   |
| Smallest bending radius, movable installation | 51.2 mm   |
| Tensile strength                              | ≤ 100 N   |
| 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)               | -40 °C ... 80 °C (cable, fixed installation)<br>-20 °C ... 80 °C (Cable, flexible installation) |
| Ambient temperature (installation)            | -20 °C ... 80 °C  |

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## Approvals

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**UL Recognized**

Approval ID: FILE E 344675

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-15.0 | 27061801 |
| ECLASS-13.0 | 27061801 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003249 |
|----------|----------|

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## 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% |
|-------------------------------------|----------------------------|

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