

NBC-4X2X24-OE-OE-94L-100,0 SH - Cable reel



1180723

<https://www.phoenixcontact.com/us/products/1180723>

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Cable reel, 8-position, TPE, highly flexible, turquoise, cable length: 100 m



Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1180723 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF16 |
| Product key | AF1IIC |
| GTIN | 4063151215552 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 22.22 g |
| Country of origin | US |

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Technical data


Product properties

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

Cable/line

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|--------------|-------|
| Cable length | 100 m |
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Highly flexible Ethernet CAT5e [94L]

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

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| | 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) |

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1180723>



UL Recognized

Approval ID: FILE E 344675

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Classifications

ECLASS

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

ETIM

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| ETIM 9.0 | EC003249 |
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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

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|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

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| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com