

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



1180723

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

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.

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

1180723

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

## Technical data


### Product properties

Product type	Data cable by the meter
Number of positions	8

### Cable/line

Cable length	100 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 <sup>2</sup>
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 <sup>2</sup>

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



1180723

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

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



1180723

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

## Approvals

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



**UL Recognized**

Approval ID: FILE E 344675

1180723

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

## Classifications

### ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

### ETIM

ETIM 10.0	EC003249
-----------	----------

1180723

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

## Environmental product compliance

### EU RoHS

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

### China RoHS

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

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](mailto:info@phoenixcon.com)