

# NBC-100,0-94H - Network cable



1474283

<https://www.phoenixcontact.com/us/products/1474283>

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.



By the meter, Network cable, Ethernet hybrid CAT5 (100 Mbps), shielded, PUR halogen-free, black RAL 9005, 8-wire (1x4x AWG 26+1x4x AWG 18), color single wire: white/orange, orange, white/green, green, white, blue, brown, black, cable length: 100 m, Power with Ethernet (PWE)

## Commercial data

Item number	1474283
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LFA
GTIN	4063151885960
Weight per piece (including packing)	10,965 g
Weight per piece (excluding packing)	10,965 g
Customs tariff number	85444995
Country of origin	AT

# NBC-100,0-94H - Network cable

1474283

<https://www.phoenixcontact.com/us/products/1474283>

## Technical data

### Product properties

Product type	Data cable by the meter
Sensor type	Ethernet hybrid
Number of positions	8
Shielded	yes

### Electrical properties

Transmission medium	Copper
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)


### Interfaces

Bus system	Ethernet
Signal type/category	Ethernet hybrid CAT5 (IEC 11801), 100 Mbps

### Cable/line

Cable length	100 m
--------------	-------

### Ethernet hybrid [94H]

Dimensional drawing	
UL AWM Style	20233 (80°C/300 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet hybrid [94H]
Conductor structure	1x4x AWG 26+1x4x AWG 18
AWG signal line	26
AWG power supply	18
Conductor cross-section	4x 0.15 mm <sup>2</sup> (Data) 4x 0.85 mm <sup>2</sup> (Power)
Wire diameter incl. insulation	1.03 mm ±0.02 mm (Data) 1.6 mm ±0.1 mm (Power)
External cable diameter	8.80 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires

# NBC-100,0-94H - Network cable



1474283

<https://www.phoenixcontact.com/us/products/1474283>

Material wire insulation	PP (Data)
	PP (Power)
Single wire, color	white/orange, orange, white/green, green, white, blue, brown, black
Overall twist	1 star quad and 4 wires with 2 fillers
Optical shield covering	85 %
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
Loop resistance	$\leq 280.00 \text{ }\Omega/\text{km}$ (Data)
	$\leq 45.00 \text{ }\Omega/\text{km}$ (Power)
Wave impedance	$100 \text{ }\Omega \pm 5 \text{ }\Omega$ (at 100 MHz)
Differential impedance	$100 \text{ }\Omega \pm 5 \text{ }\%$ (at 100 MHz)
Nominal voltage, cable	$\leq 125 \text{ V}$ (Peak value, not for high-power applications)
Test voltage Core/Core	2000 V (50 Hz, 1 min.)
Test voltage Core/Shield	2000.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Dynamic load capacity (bending)	Max. bending cycles: 2000000, Bending radius: 15 x D, Traversing path: 4.5 m, Traversing rate: 3 m/s, Acceleration: 3 m/s <sup>2</sup> , Ambient temperature: -20 °C ... 60 °C
Shield attenuation	$\geq 80.00 \text{ dB}$ (30 MHz ... 100 MHz)
Halogen-free	according to IEC 60754-1
Flame resistance	UL 1581, Section 1060 and UL 2556, Section 9.3 (FT1)
	IEC 60332-1-2
Resistance to oil	in accordance with IEC 60811-404
	According to DIN EN 50363-10-2
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-30 °C ... 70 °C (Cable, flexible installation)
	-20 °C ... 60 °C (for installation)
	-20 °C ... 60 °C (cable, drag chain applications)

# NBC-100,0-94H - Network cable



1474283

<https://www.phoenixcontact.com/us/products/1474283>

## Classifications

### ECLASS

ECLASS-15.0	27061801
ECLASS-13.0	27061801

### ETIM

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

### UNSPSC

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

# NBC-100,0-94H - Network cable



1474283

<https://www.phoenixcontact.com/us/products/1474283>

## 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	183.216 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](mailto:info@phoenixcon.com)