

NBC-100,0- 99B - Cable reel

1583504

<https://www.phoenixcontact.com/us/products/1583504>



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By the meter, Cable reel, Single Pair Ethernet (1 Gbps), shielded, PUR halogen-free, green, 2-wire (1 x 2 x AWG 22/7, S/FTP), color single wire: white, blue, cable length: 100 m

Commercial data

Item number	1583504
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LF A
GTIN	4067923076396
Weight per piece (including packing)	4,070 g
Weight per piece (excluding packing)	4,070 g
Customs tariff number	85444920
Country of origin	DE

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Technical data

Product properties

Product type	Data cable by the meter
Application	Standard
Number of positions	2
Shielded	yes

Electrical properties

Nominal voltage U_N	72 V DC
Transmission medium	Copper
Transmission speed	up to 1 Gbps

Interfaces

Bus system	Ethernet
Signal type/category	Single Pair Ethernet, 1 Gbps

Cable/line

Cable length	100 m
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Single Pair Ethernet PUR flexible, green [99B]

Dimensional drawing	
UL AWM Style	20233 (80°C/300 V)
Number of positions	2
Shielded	yes
Cable type	Single Pair Ethernet PUR flexible, green [99B]
Conductor structure	1 x 2 x AWG 22/7, S/FTP
AWG signal line	22
Conductor cross-section	2x 0.34 mm ²
Wire diameter incl. insulation	1.6 mm
External cable diameter	5.50 mm ±0.1 mm
Outer sheath, material	PUR
External sheath, color	green
Conductor material	Bare Cu litz wires
Material wire insulation	Foamed PE
Single wire, color	white, blue
Twisted pairs	2 cores to the pair

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Overall twist	1 pair with fillers twisted horizontally
Optical shield covering	90 %
Insulation resistance	$\geq 5 \text{ G}\Omega\cdot\text{km}$
Loop resistance	$\leq 120.00 \text{ }\Omega/\text{km}$
Wave impedance	$100 \text{ }\Omega \pm 5 \text{ }\Omega$ (at 100 MHz)
Nominal voltage, cable	$\leq 100 \text{ V}$
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
Smallest bending radius, fixed installation	22 mm
Smallest bending radius, movable installation	44 mm
Halogen-free	according to IEC 60754-1
Flame resistance	according to IEC 60332-1-2
	UL 1581, Sec. 1061 (Cable Flame)
	according to CSA FT1
Resistance to oil	in accordance with DIN EN 60811-404
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (Cable, flexible installation)
	-25 °C ... 80 °C (for installation)

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Classifications

ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

ETIM

ETIM 10.0	EC003249
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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EF3.1 Climate Change

CO2e kg	353.855 kg CO2e
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