

NBC-500,0-94E - Cable reel



1408572

<https://www.phoenixcontact.com/us/products/1408572>

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By the meter, Cable reel, Ethernet CAT7 (10 Gbps), shielded, FRNC halogen-free, water blue RAL 5021, 8-wire (4x2xAWG23/1, S/FTP), color single wire: white-blue, white-orange, white-green, white-brown, cable length: 500 m

Commercial data

Item number	1408572
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	AF1LFA
GTIN	4046356826396
Weight per piece (including packing)	31 kg
Weight per piece (excluding packing)	31 kg
Country of origin	NL

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Technical data

Product properties

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

Electrical properties

Nominal voltage U_N	30 V AC
	30 V DC
Transmission medium	Copper
Transmission speed	10 Gbps

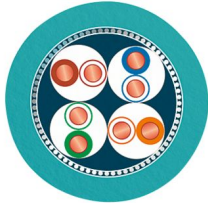
Interfaces

Signal type/category	Ethernet CAT7, 10 Gbps
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Cable/line

Cable length	500 m
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Ethernet [94E]

Dimensional drawing	
Cable weight	55 kg/km
Copper weight	32.8 kg/km
UL AWM Style	10797 (80°C/30 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet [94E]
Conductor structure	4x2xAWG23/1, S/FTP
Signal runtime	5.7 ns/m
Signal speed	0.6 c
Conductor structure signal line	1x
AWG signal line	23
Conductor cross-section	4x 2x 0.3 mm ²
Wire diameter incl. insulation	1.45 mm ±0.05 mm
External cable diameter	8.00 mm ±0.3 mm
Outer sheath, material	FRNC
External sheath, color	water blue RAL 5021

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Conductor material	Bare Cu wire
Material wire insulation	Foamed PE
Single wire, color	white-blue, white-orange, white-green, white-brown
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	4 pairs, twisted
Optical shield covering	65 %
Max. conductor resistance	< 75 Ω/km
Insulation resistance	> 5 GΩ*km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Cable capacity	< 56 nF/km
Cable impedance	< 5 mΩ (with 1 MHz) < 5 mΩ (at 10 MHz) < 30 mΩ (at 30 MHz) < 100 mΩ (at 100 MHz)
Nominal voltage, cable	30 V AC
Test voltage Core/Core	2500 V DC
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Tensile strength	80 N
Halogen-free	According to IEC 60754-2
Flame resistance	according to IEC 60332-3-24 (Cat. C)
Concentration of fumes	in accordance with IEC 61034
Resistance to oil	according to IEC 60811-2-1
Ambient temperature (operation)	-20 °C ... 80 °C (cable, fixed installation)
Ambient temperature (installation)	0 °C ... 50 °C

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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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