

Network cable - VS-OE-OE-94A-100,0



1416305

<https://www.phoenixcontact.com/us/products/1416305>

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.



Network cable, Ethernet CAT5 (1 Gbps), 8-position, shielded, free cable end, on free cable end, cable length: 100 m

Commercial Data

Item number	1416305
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B06
Product Key	BF1LFA
Catalog Page	Page 393 (C-2-2019)
GTIN	4046356473545
Weight per Piece (including packing)	5,023 g
Weight per Piece (excluding packing)	5,023 g
Customs tariff number	85444290
Country of origin	DE

Network cable - VS-OE-OE-94A-100,0



1416305

<https://www.phoenixcontact.com/us/products/1416305>

Technical Data

Product properties

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

Electrical properties

Transmission medium	Copper
---------------------	--------

Interfaces

Bus system	Ethernet
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps

Connector

Connection 1

Type	free cable end
------	----------------

Connection 2

Type	free cable end
------	----------------

Cable / line

Cable length	100 m
UL AWM Style	20549 (80°C/300 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet [94A]
Signal runtime	5.7 ns/m
Signal speed	0.6 c
Conductor structure signal line	1x 0.50 mm
AWG signal line	24
Conductor cross section	4x 2x 0.25 mm ²
Wire diameter incl. insulation	1.1 mm ±0.05 mm
External cable diameter	6.4 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu wire
Material wire insulation	PE
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Thickness, outer sheath	0.4 mm
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Optical shield covering	85 %

Network cable - VS-OE-OE-94A-100,0



1416305

<https://www.phoenixcontact.com/us/products/1416305>

Max. conductor resistance	< 93.8 Ω /km
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
Cable capacity	< 56 nF/km
	< 1600 pF/km (Pair-Ground)
Nominal voltage, cable	72 V DC
	300 V AC (in acc. with UL)
Test voltage Core/Core	2500 V DC
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm (for installation)
Tensile strength	80 N
Halogen-free	According to IEC 60754-2
Flame resistance	According to FT-2
Resistance to oil	according to IEC 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (installation)	0 °C ... 50 °C
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps

Network cable - VS-OE-OE-94A-100,0



1416305

<https://www.phoenixcontact.com/us/products/1416305>

Approvals



EAC

Approval ID: RU D-DE.HB35.B.00385

Network cable - VS-OE-OE-94A-100,0



1416305

<https://www.phoenixcontact.com/us/products/1416305>

Classifications

ECLASS

ECLASS-9.0	27061801
ECLASS-10.0.1	27060390
ECLASS-11.0	27061801

ETIM

ETIM 8.0	EC003249
----------	----------

UNSPSC

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

Network cable - VS-OE-OE-94A-100,0



1416305

<https://www.phoenixcontact.com/us/products/1416305>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Network cable - VS-OE-OE-94A-100,0

1416305

<https://www.phoenixcontact.com/us/products/1416305>



Accessories

Stripping tool

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407

<https://www.phoenixcontact.com/us/products/1657407>

Stripping tool, for the multi-level stripping of shielded cables



Phoenix Contact 2022 © - 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