

Network cable - VS-OE-OE-94E-100,0 - 1416350

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Network cable, Ethernet CAT7 (10 Gbps), 8-position, FRNC halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: 100 m



Ethernet

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 474405
GTIN	4046356474405

Technical data

Dimensions

Length of cable	100 m
-----------------	-------

General data

Number of positions	8
Signal type/category	Ethernet CAT7, 10 Gbps
Transmission characteristics (category)	CAT7

Cable

Cable type	Ethernet
Cable type (abbreviation)	94E
UL AWM style	10797 (80°C/30 V)
Signal type/category	Ethernet CAT7, 10 Gbps
Cable structure	4x2xAWG23/1; S/FTP
Conductor cross section	4x 2x 0.3 mm ²
AWG signal line	23
Conductor structure signal line	1x
Core diameter including insulation	1.45 mm ±0.05 mm
Wire colors	White-blue, white-orange, white-green, white-brown
Twisted pairs	2 cores to the pair

Network cable - VS-OE-OE-94E-100,0 - 1416350

Technical data

Cable

Type of pair shielding	Aluminum-lined polyester foil
Overall twist	4 pairs, twisted
Shielding	Aluminum-lined polyester foil, tinned copper braided shield
Optical shield covering	65 %
External sheath, color	water blue RAL 5021
External cable diameter D	8 mm ±0.3 mm
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Tensile strength GRP	80 N
Cable weight	55 kg/km
Copper weight	32.8 kg/km
Outer sheath, material	FRNC
Material conductor insulation	Foamed PE
Conductor material	Bare Cu wire
Insulation resistance	> 5 GΩ*km
Conductor resistance	< 75 Ω/km
Cable capacity	< 56 nF/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Signal speed	0.6 c
Signal runtime	5.7 ns/m
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
Flame resistance	according to IEC 60332-3-24 (Cat. C)
Halogen-free	According to IEC 60754-2
Resistance to oil	according to IEC 60811-2-1
Concentration of fumes	in accordance with IEC 61034
Ambient temperature (operation)	-20 °C ... 80 °C (Cable)
Ambient temperature (installation)	0 °C ... 50 °C

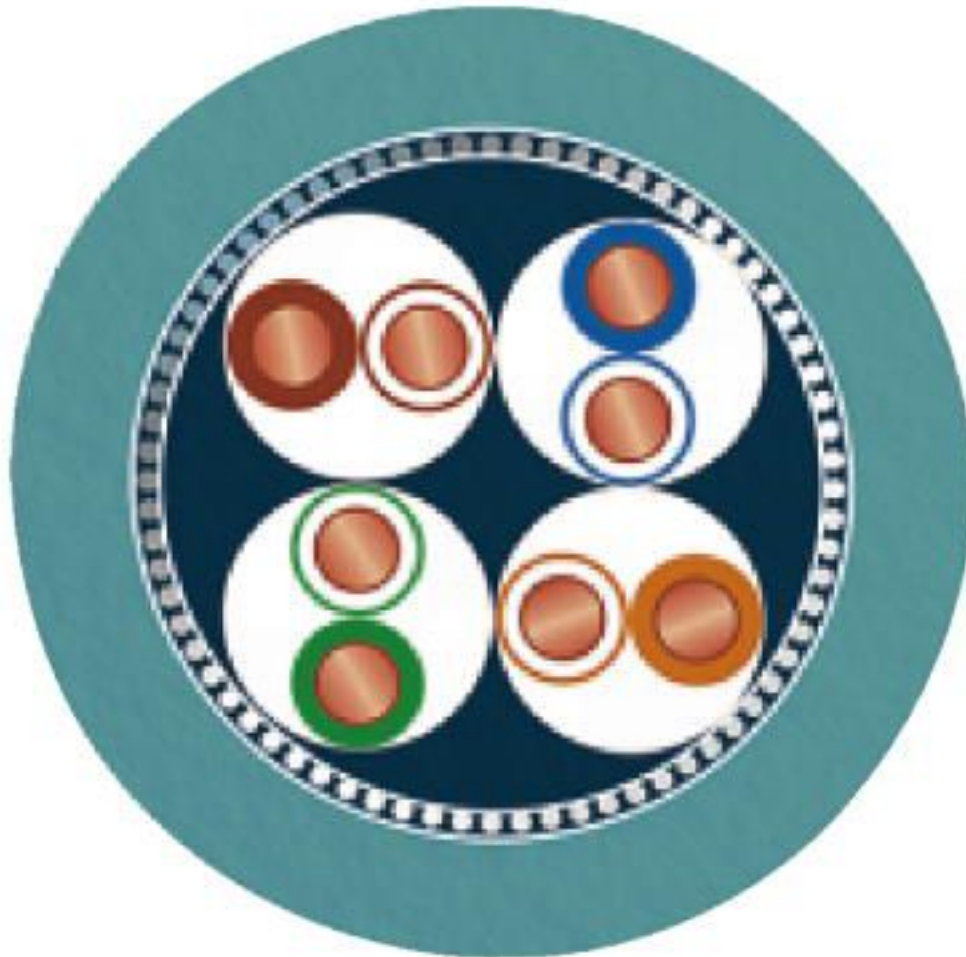
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Network cable - VS-OE-OE-94E-100,0 - 1416350

Cable cross section



Ethernet [94E]

Classifications

eCl@ss

eCl@ss 10.0.1	27060390
eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801
eCl@ss 9.0	27061801

Network cable - VS-OE-OE-94E-100,0 - 1416350

Classifications

ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC000830
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249

UNSPSC

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	31261501
UNSPSC 13.2	26121604
UNSPSC 18.0	26121604
UNSPSC 19.0	26121604
UNSPSC 20.0	26121604
UNSPSC 21.0	26121604

Approvals

Approvals

Approvals

EAC-RoHS

Ex Approvals

Approval details

EAC-RoHS		RU D- DE.HB35.B.00385
----------	---	--------------------------

Accessories

Accessories

Network cable - VS-OE-OE-94E-100,0 - 1416350

Accessories

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

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



Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Multi-Conductor Cables](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[8916-GRY-100](#) [8917-BLK-100](#) [8917-GRN/YEL-100](#) [8918-GRN/YEL-100](#) [8920-BRN-1000](#) [8920-RED-1000](#) [89907-LT-DEC/GRY-500](#)
[CR3909-000](#) [CR3927-000](#) [01342.35T.01](#) [01364.35T.01](#) [003201-000](#) [CS2885-000](#) [CS8782-000](#) [CS9912-000](#) [6200UE-NAT-U1000](#) [CTC-](#)
[0062-20-9/5-9](#) [CTC-0062-22-9/5-9](#) [6304FE-877-U500](#) [6309UE-877-1000](#) [6320UE-NAT-U1000](#) [644833-000](#) [6502FE 8771000](#) [6504UE-877-](#)
[U1000](#) [CW9530-000](#) [CX6543-000](#) [CXA-0066-20-4-9CS2973](#) [CXA-0078-16-1-9CS2405](#) [CXA-0078-22-4-9CS2405](#) [CXA-0078-24-4-](#)
[9CS2405](#) [CXA-0140-16-6/9-9CS2405](#) [CY0660-000](#) [706/2R-BLACK-EACH](#) [720451-000](#) [730859-000](#) [MCC-USB-4-250](#) [752687-000](#)
[768146-000](#) [773159-000](#) [7934A-BLK-1000](#) [8125-CHR-100](#) [8164-CHR-1000](#) [820457-000](#) [8205-CHR-1000](#) [8240-BLK-U1000](#) [82723-NAT-](#)
[1000](#) [82907-NAT-500](#) [83003-YEL-500](#) [83005-WHT-500](#) [83006-DK-GRN-100](#)