

## Network cable - VS-OE-OE-94D-100,0 - 1416334

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 CAT5 (1 Gbps), 8-position, PVC (reinforced) UV-resistant, deep black RAL 9005, shielded, free cable end, on free cable end, cable length: 100 m



Ethernet

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 474559 |
| GTIN         | 4046356474559                                                                                           |

### Technical data

#### Dimensions

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

#### General data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Number of positions                     | 8                     |
| Signal type/category                    | Ethernet CAT5, 1 Gbps |
| Transmission characteristics (category) | CAT5                  |

#### Cable

|                                    |                                                                            |
|------------------------------------|----------------------------------------------------------------------------|
| Cable type                         | Ethernet                                                                   |
| Cable type (abbreviation)          | 94D                                                                        |
| UL AWM style                       | 2464 (80°C/300 V)                                                          |
| Signal type/category               | Ethernet CAT5 (IEC 11801), 1 Gbps                                          |
| Cable structure                    | 4x2xAWG26/7; SF/UTP                                                        |
| Conductor cross section            | 4x 2x 0.14 mm <sup>2</sup>                                                 |
| AWG signal line                    | 26                                                                         |
| Conductor structure signal line    | 7x 0.16 mm                                                                 |
| Core diameter including insulation | 0.98 mm ±0.05 mm                                                           |
| Wire colors                        | white/blue-blue, white/orange-orange, white/green-green, white/brown-brown |

# Network cable - VS-OE-OE-94D-100,0 - 1416334

## Technical data

### Cable

|                                               |                                                             |
|-----------------------------------------------|-------------------------------------------------------------|
| Twisted pairs                                 | 2 cores to the pair                                         |
| Overall twist                                 | 4 pairs, twisted                                            |
| Shielding                                     | Aluminum-lined polyester foil, tinned copper braided shield |
| Optical shield covering                       | 85 %                                                        |
| External sheath, color                        | black RAL 9005                                              |
| Outer sheath thickness                        | 0.8 mm                                                      |
| External cable diameter D                     | 6.4 mm ±0.2 mm                                              |
| Smallest bending radius, fixed installation   | 30 mm                                                       |
| Smallest bending radius, movable installation | 60 mm                                                       |
| Tensile strength GRP                          | 80 N                                                        |
| Outer sheath, material                        | PVC (reinforced) UV-resistant                               |
| Material conductor insulation                 | PP                                                          |
| Conductor material                            | Bare Cu litz wires                                          |
| Insulation resistance                         | ≥ 5 GΩ*km                                                   |
| Conductor resistance                          | < 140 Ω/km                                                  |
| Cable capacity                                | < 56 nF/km                                                  |
| Wave impedance                                | 100 Ω ±15 Ω (at 4 ... 100 MHz)                              |
| Signal speed                                  | 0.6 c                                                       |
| Nominal voltage, cable                        | 72 V DC                                                     |
|                                               | 300 V AC                                                    |
| Test voltage Core/Core                        | 2500 V DC (2 s)                                             |
| Test voltage Core/Shield                      | 2500 V DC (2 s)                                             |
| Flame resistance                              | According to VW-1                                           |
| Resistance to oil                             | according to IEC 60811-2-1                                  |
| Other resistance                              | UV resistant According to UL 1581, Section 1200             |
| Ambient temperature (operation)               | -40 °C ... 80 °C                                            |
| 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-94D-100,0 - 1416334

Cable cross section



Ethernet [94D]

### 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-94D-100,0 - 1416334

### 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-<br>DE.HB35.B.00385 |
|----------|-------------------------------------------------------------------------------------|--------------------------|

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>

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[1416334](#)