

# VS-OE-OE-94D-100,0 - Data cable



1416334

<https://www.phoenixcontact.com/us/products/1416334>

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By the meter, Data cable, Ethernet CAT5 (1 Gbps), shielded, PVC (reinforced) UV-resistant, black RAL 9005, 8-wire (4x2xAWG26/7, SF/UTP), color single wire: white/blue-blue, white/orange-orange, white/green-green, white/brown-brown, cable length: 100 m

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1416334                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF11                           |
| Product key                          | AF1LFA                         |
| GTIN                                 | 4046356474559                  |
| Weight per piece (including packing) | 5,102 g                        |
| Weight per piece (excluding packing) | 5,071 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Data cable by the meter |
| Application         | Standard                |
| Number of positions | 8                       |
| Shielded            | yes                     |

### Electrical properties

|                     |        |
|---------------------|--------|
| Transmission medium | Copper |
| Transmission speed  | 1 Gbps |

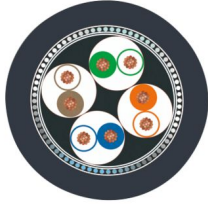
### Interfaces

|                      |                       |
|----------------------|-----------------------|
| Signal type/category | Ethernet CAT5, 1 Gbps |
|----------------------|-----------------------|

### Cable/line

|              |       |
|--------------|-------|
| Cable length | 100 m |
|--------------|-------|

### Ethernet [94D]

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| UL AWM Style                    | 2464 (80°C/300 V)  |
| Number of positions             | 8  |
| Shielded                        | yes  |
| Cable type                      | Ethernet [94D]   |
| Conductor structure             | 4x2xAWG26/7, SF/UTP  |
| Signal speed                    | 0.6 c  |
| Conductor structure signal line | 7x 0.16 mm   |
| AWG signal line                 | 26   |
| Conductor cross-section         | 4x 2x 0.14 mm <sup>2</sup>   |
| Wire diameter incl. insulation  | 0.98 mm ±0.05 mm   |
| External cable diameter         | 6.40 mm ±0.2 mm  |
| Outer sheath, material          | PVC (reinforced) UV-resistant  |
| External sheath, color          | black RAL 9005   |
| Conductor material              | Bare Cu litz wires   |
| Material wire insulation        | PP   |
| Single wire, color              | white/blue-blue, white/orange-orange, white/green-green, white/brown-brown           |

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|   |   |
|---|---|
| Thickness, outer sheath                       | 0.80 mm   |
| Twisted pairs                                 | 2 cores to the pair                               |
| Overall twist                                 | 4 pairs, twisted                                  |
| Optical shield covering                       | 85 %  |
| Max. conductor resistance                     | < 140 Ω/km  |
| Insulation resistance                         | ≥ 5 GΩ*km   |
| Wave impedance                                | 100 Ω ±15 Ω (at 4 ... 100 MHz)                    |
| Cable capacity                                | < 56 nF/km  |
| Nominal voltage, cable                        | 72 V DC<br>300 V AC                               |
| Test voltage Core/Core                        | 2500 V DC (2 s)                                   |
| Test voltage Core/Shield                      | 2500.00 V DC (2 s)                                |
| Smallest bending radius, fixed installation   | 30 mm   |
| Smallest bending radius, movable installation | 60 mm   |
| Tensile strength                              | 80 N  |
| 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 (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 |
|-----------|----------|

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|   |                    |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

### 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% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 44.61 kg CO2e |
|---------|---------------|

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