

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

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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	 4 046356 474559
GTIN	4046356474559

### Technical data

#### Dimensions

Length of cable	100 m
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#### 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

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## 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

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## 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

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Approvals

EAC-RoHS

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Ex Approvals

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### Approval details

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