

VS-OE-OE-94D-100,0

Order No.: 1416334



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1416334>

Network cable, Ethernet CAT5 (100 Mbps), Ethernet CAT5e (100 Mbps), 8-position, PVC (reinforced) UV-resistant halogen-free, deep black RAL 9005, shielded, free cable end, on free cable end, Cable length: 100 m

Ethernet

Commercial data

EAN	 4 046356 474559
Note	Made-to-order
sales group	D515
Pack	1 Pcs.
Customs tariff	85444290
Gross weight in pieces	4.79 KG
Net weight per piece	4.79 KG
Catalog page information	Page 242 (C-4-2013)

Product notes

WEEE/RoHS-compliant since:
11/24/2008



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Dimensions

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

General data

Number of positions	8
Signal type/category	Ethernet CAT5 (IEC 11801:2002), 100 Mbps
	Ethernet CAT5e (TIA 568B:2001), 100 Mbps

Cable

Cable type	Ethernet
Cable type (abbreviation)	94D
UL AWM style	2464 (80°C/300 V)
Signal type/category	Ethernet CAT5 (IEC 11801:2002), 100 Mbps
	Ethernet CAT5e (TIA 568B:2001), 100 Mbps
Cable structure	4x2xAWG26/7; SF/UTP
Conductor cross section	4x 2x 0.14 mm ²
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
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	deep 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 short-term/long-term	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
Working capacitance	< 56 nF (per kilometer)
Wave impedance	100 Ω ±15 Ω (at 4 ... 100 MHz)
Signal speed	0.6 c
Signal runtime	5.7 ns/m
Nominal voltage, cable	300 V AC
	450 V DC
Test voltage Core/Core	2500 V DC
Flame resistance	According to VW-1

Halogen-free	According to IEC 60754-2
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)
Ambient temperature (installation)	0 °C ... 50 °C

Certificates / Approvals

Certification
Certifications applied for:
Certification Ex:

Accessories

Item	Designation	Description
------	-------------	-------------

Tools

1657407	VS-CABLE-STRIP-VARIO	Stripping tool, for the multi-level stripping of shielded cables
---------	----------------------	--

Drawings

Schematic diagram

Ethernet [94D]



Address

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



© 2014 Phoenix Contact
Technical modifications reserved;