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

1416334

https://www.phoenixcontact.com/gb/products/1416334

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Network cable, Ethernet CAT5 (1 Gbps), 8-position, shielded, free cable end, on free cable end, 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	BF1LFA
Product Key	BF1LFA
Catalog Page	Page 393 (C-2-2019)
GTIN	4046356474559
Weight per Piece (including packing)	5,071 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
Number of positions	8
Shielded	yes

Electrical properties

Transmission medium	Copper

Interfaces

Signal type/category	Ethernet CAT5, 1 Gbps

Connector

Connection 1

Type	free cable end

Connection 2

Type	free cable end

Cable / line

Cable length	100 m
UL AWM Style	2464 (80°C/300 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet [94D]
Signal speed	0.6 c
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	4x 2x 0.14 mm²
Wire diameter incl. insulation	0.98 mm ±0.05 mm
External cable diameter	6.4 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
Thickness, outer sheath	0.8 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

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Wave impedance	100 Ω ±15 Ω (at 4 ... 100 MHz)
Cable capacity	< 56 nF/km
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)
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
Ambient temperature (installation)	0 °C ... 50 °C
Signal type/category	Ethernet CAT5, 1 Gbps

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Approvals

EAC
Approval ID: RU D-DE.HB35.B.00385

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Classifications

ECLASS

ECLASS-9.0	27061801
ECLASS-10.0.1	27060390
ECLASS-11.0	27061801

ETIM

ETIM 8.0	EC003249

UNSPSC

UNSPSC 21.0	26121600

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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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