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VS-OE-OE-94A-100,0 - Data cable

1416305

https://www.phoenixcontact.com/gb/products/1416305

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Data cable, Ethernet CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded (Aluminum-lined polyester foil, tinned copper braided shield), free cable end, on free cable end, cable length: 100 m

Commercial data

Item number	1416305
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF1LFA
Product key	BF1LFA
Catalog page	Page 393 (C-2-2019)
GTIN	4046356473545
Weight per piece (including packing)	5,023 g
Weight per piece (excluding packing)	5,023 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	Data cable by the meter
Sensor type	Ethernet
Number of positions	8
Application	Standard
Shielded	yes

Electrical properties

Transmission medium	Copper

Interfaces

Bus system	Ethernet
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps

Connector

Connection 1

Type	free cable end

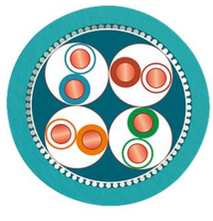
Connection 2

Type	free cable end

Cable/line

Cable length	100 m

Ethernet [94A]

Dimensional drawing	
UL AWM Style	20549 (80°C/300 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet [94A]
Conductor structure	4x2xAWG24/1, SF/UTP
Signal runtime	5.7 ns/m
Signal speed	0.6 c
Conductor structure signal line	1x 0.50 mm
AWG signal line	24

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Conductor cross section	4x 2x 0.25 mm²
Wire diameter incl. insulation	1.1 mm ±0.05 mm
External cable diameter	6.40 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu wire
Material wire insulation	PE
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Thickness, outer sheath	0.40 mm
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Optical shield covering	85 %
Max. conductor resistance	< 93.8 Ω/km
Insulation resistance	≥ 5 GΩ*km
Cable capacity	< 56 nF/km
	< 1600 pF/km (Pair-Ground)
Nominal voltage, cable	72 V DC
	300 V AC (in acc. with UL)
Test voltage Core/Core	2500 V DC
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm (for installation)
Tensile strength	80 N
Halogen-free	According to IEC 60754-2
Flame resistance	According to FT-2
Resistance to oil	according to IEC 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
Ambient temperature (installation)	0 °C ... 50 °C

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Classifications

ECLASS

ECLASS-11.0	27061801
ECLASS-12.0	27061801
ECLASS-13.0	27061801

ETIM

ETIM 9.0	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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Accessories

VS-CABLE-STRIP-VARIO - Stripping tool

1657407

https://www.phoenixcontact.com/gb/products/1657407

Stripping tool, for the multi-level stripping of shielded cables



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