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

1416305

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



By the meter, Data cable, Ethernet CAT5 (1 Gbps), shielded, PUR halogen-free, water blue RAL 5021, 8-wire (4x2xAWG24/1, 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	1416305
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF11
Product key	AF1LFA
GTIN	4046356473545
Weight per piece (including packing)	5,242 g
Weight per piece (excluding packing)	5,023 g
Customs tariff number	85444290
Country of origin	DE

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

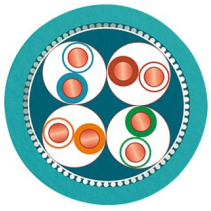
Interfaces

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

Cable/line

Cable length	100 m

Ethernet [94A]

Dimensional drawing	
UL AWM Style	21238 (80 °C / 600 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet [94A]
Conductor structure	4x2xAWG24/1, SF/UTP
Conductor structure signal line	1x 0.51 mm
AWG signal line	24
Conductor cross-section	4x 2x 0.25 mm²
Wire diameter incl. insulation	1.02 mm ±0.03 mm
External cable diameter	6.30 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

Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Optical shield covering	85 %
Insulation resistance	≥ 5 GΩ*km
Wave impedance	100 Ω ±15 Ω (at 1 ... 100 MHz)
Nominal voltage, cable	≤ 600 V
Test voltage Core/Core	2000 V ((50 Hz/1 min))
Test voltage Core/Shield	2000.00 V ((50 Hz/1 min))
Halogen-free	according to IEC 60754-1
Flame resistance	according to IEC 60332-1-2
	UL 1581, Section 1100 and UL 2556, Section 9.1 (HFT/FT2)
Resistance to oil	in accordance with DIN EN 60811-404
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)

Classifications

ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

ETIM

ETIM 10.0	EC003249

UNSPSC

UNSPSC 21.0	26121600

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%

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com