

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



1416305

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

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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

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## Technical data

### Product properties

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

### Electrical properties

Transmission medium	Copper
Transmission speed	1 Gbps

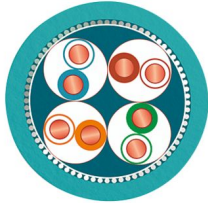
### Interfaces

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

### Cable/line

Cable length	100 m
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### 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 mm <sup>2</sup>
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,

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	white/brown-brown
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Optical shield covering	85 %
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
Wave impedance	$100 \Omega \pm 15 \Omega$ (at 1 ... 100 MHz)
Nominal voltage, cable	$\leq 600 \text{ V}$
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)

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## Classifications

### ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

### ETIM

ETIM 10.0	EC003249
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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### EF3.1 Climate Change

CO2e kg	62.276 kg CO2e
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