

# VS-OE-OE-93C/... - Data cable

1417491

<https://www.phoenixcontact.com/us/products/1417491>

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, PROFINET CAT5 (100 Mbps), EtherCAT® CAT5 (100 Mbps), shielded, PUR halogen-free, green RAL 6018, 4-wire (1x4xAWG22/7, SF/TQ), color single wire: white, yellow, blue, orange, cable length: Free entry (0.5 ... 400 m)

## Commercial data

Item number	1417491
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF17
Product key	AF1LEA
Customs tariff number	85444995
Country of origin	DE

# VS-OE-OE-93C/... - Data cable

1417491

<https://www.phoenixcontact.com/us/products/1417491>

## Technical data

### Product properties

Product type	Data cable by the meter
Application	Drag chain
Number of positions	4
Shielded	yes

### Electrical properties

Transmission medium	Copper
Transmission speed	100 Mbps


### Interfaces

Signal type/category	PROFINET CAT5 (IEC 11801:2002), 100 Mbps
----------------------	--

### Cable/line

Cable length	Free entry (0.5 ... 400 m)
--------------	----------------------------

### PROFINET drag chain CAT5 [93C]

Dimensional drawing	
UL AWM Style	20233 (80°C/300 V)
Number of positions	4
Shielded	yes
Cable type	PROFINET drag chain CAT5 [93C]
Conductor structure	1x4xAWG22/7, SF/TQ
AWG signal line	22
Conductor cross-section	4x 0.34 mm <sup>2</sup>
Wire diameter incl. insulation	1.5 mm ±0.05 mm
External cable diameter	6.50 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	green RAL 6018
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE
Single wire, color	white, yellow, blue, orange
Overall twist	Star quad
Optical shield covering	85 %
Insulation resistance	≥ 500 MΩ*km

# VS-OE-OE-93C/... - Data cable



1417491

<https://www.phoenixcontact.com/us/products/1417491>

Loop resistance	≤ 120.00 Ω/km
Wave impedance	100 Ω ±15 Ω (at 1 ... 100 MHz)
Nominal voltage, cable	≤ 300 V
Test voltage Core/Core	2000 V (50 Hz, 1 min.)
Test voltage Core/Shield	2000.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	7.5 x D
Dynamic load capacity (bending)	Max. bending cycles: 3000000, Bending radius: 200 mm, Traversing path: 10 m, Traversing rate: 4 m/s, Acceleration: 4 m/s <sup>2</sup>
Dynamic load capacity (torsion)	Torsion: ±30 °/m
Halogen-free	according to IEC 60754-1
Flame resistance	according to IEC 60332-1-2
	in accordance with UN ECE-R 118.03
	according to CSA C 22.2 No. 210-FT1
Resistance to oil	in accordance with DIN EN 60811-404
Other resistance	UV resistant
Special properties	Flexible cable conduit capable
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-40 °C ... 70 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
---------------------------------	--

# VS-OE-OE-93C/... - Data cable



1417491

<https://www.phoenixcontact.com/us/products/1417491>

## Classifications

### ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

### ETIM

ETIM 10.0	EC003249
-----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

# VS-OE-OE-93C/... - Data cable



1417491

<https://www.phoenixcontact.com/us/products/1417491>

## 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](mailto:info@phoenixcon.com)