

VS-PPC/PL-OE-93K-LI/5,0 - Bus system cable



1419175

<https://www.phoenixcontact.com/us/products/1419175>

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.



Sercos III cable, shielded, star quad, AWG 22 stranded (7-wire), RAL 3020 (traffic red), RJ45 connector/IP67 push-pull, plastic on free conductor end, length: 5 m

Commercial data

Item number	1419175
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB11
Product key	ABNABA
Catalog page	Page 317 (PC-2011)
GTIN	4046356541206
Weight per piece (including packing)	368.5 g
Weight per piece (excluding packing)	222.22 g
Customs tariff number	85444210
Country of origin	PL

VS-PPC/PL-OE-93K-LI/5,0 - Bus system cable



1419175

<https://www.phoenixcontact.com/us/products/1419175>

Technical data

Product properties

Product type	Data cable preassembled
Sensor type	Sercos
Number of positions	4
Application	Standard
No. of cable outlets	1
Shielded	yes
Cable outlet	straight

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Signaling

Status display	No
----------------	----

Electrical properties

Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	100 Mbps

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 250
-----------------------------	-------

Material specifications

Color	black
Flammability rating according to UL 94	V0
Outer sheath, material	PVC
Conductor material	Tin-plated Cu litz wires

Connector

Connection 1

Type	Plug straight RJ45
Locking type	Push Pull
Material	Plastic
Degree of protection	IP67

Connection 2

Type	free cable end
------	----------------


Cable/line

VS-PPC/PL-OE-93K-LI/5,0 - Bus system cable



1419175

<https://www.phoenixcontact.com/us/products/1419175>

Cable length	5.00 m
Sercos III [93K]	
Dimensional drawing	
Shielded	yes
UL AWM Style	21694 (60 °C / 600 V)
Cable weight	68 kg/km
Cable type	Sercos III
Cable type (abbreviation)	93K
Signal type/category	Sercos CAT5 (IEC 11801), 100 Mbps
Cable structure	1x4xAWG22/7, SF/TQ
External cable diameter	6.50 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	signal red RAL 3020
Thickness, outer sheath	approx. 0.90 mm
Material, inner sheath	PVC
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.25 mm
AWG signal line	22
Conductor cross section	4x 0.34 mm ²
Material wire insulation	PE
Wire diameter incl. insulation	approx. 1.55 mm
Single wire, color	white, yellow, blue, orange
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Star quad
Shielding	Tinned copper braided shield
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.)
Cable resistance	≤ 120 Ω/km
Cable insulation resistance	≥ 0.5 GΩ*km
Coupling resistance	≤ 20.00 mΩ/m (at 10 Hz)
Wave impedance	100 Ω ±15 Ω (at 100 MHz)
Signal runtime	5.3 ns/m
Minimum bending radius, fixed installation	3 x D
Minimum bending radius, flexible installation	7 x D
Resistance to oil	Resistant to oil to a limited extent

VS-PPC/PL-OE-93K-LI/5,0 - Bus system cable



1419175

<https://www.phoenixcontact.com/us/products/1419175>

Flame resistance	according to UL 1685 (CSA FT 4)
Other resistance	UV resistant (According to UL 1581, Section 1200)
Ambient temperature (operation)	-40 °C ... 70 °C (Cable, flexible installation)
	-40 °C ... 70 °C (cable, fixed installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP65/IP67
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-40 °C ... 70 °C (Cable, flexible installation)

VS-PPC/PL-OE-93K-LI/5,0 - Bus system cable



1419175

<https://www.phoenixcontact.com/us/products/1419175>

Classifications

ECLASS

ECLASS-11.0	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307

ETIM

ETIM 9.0	EC001855
----------	----------

UNSPSC

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

VS-PPC/PL-OE-93K-LI/5,0 - Bus system cable



1419175

<https://www.phoenixcontact.com/us/products/1419175>

Environmental product compliance

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

Phoenix Contact 2024 © - 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