


**VS-OE-OE-93B-100,0**

Order No.: 1416389

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1416389>Bus system cable, PROFINET, 4-wire, shielded, PVC, green outer sheath, 4 x 0.34 mm<sup>2</sup>/AWG 22, type B, cable ring: 100 m**PROFI  
NET**

Commercial data	
GTIN (EAN)	 4 046356 474023
Note	Made-to-order
sales group	D515
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 306 (PC-2011)

## Product notes

WEEE/RoHS-compliant since:  
11/24/2008

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Technical data	
<b>Mechanical characteristics</b>	
Number of positions	4
Shielded	Yes
Cable diameter	6.50 mm
Cable structure	1x4xAWG22/7; SF/Q

Smallest bending radius, fixed installation	min. 19.5 mm (cable, fixed installation)
Smallest bending radius, movable installation	min. 45.5 mm (cable, flexible installation)
Length of cable	100 m
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation) -20 °C ... 60 °C (cable, flexible installation)
Ambient temperature (storage/transport)	-50 °C ... 70 °C

#### Material data

Outer sheath, material	PVC
External sheath, color	Green RAL 6018

#### Electrical characteristics

Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
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#### Line characteristics

Cable type	PROFINET
Cable structure	1x4xAWG22/7; SF/Q
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	Approx. 1.5 mm
Thickness, insulation	Approx. 0.9 mm (Outer cable sheath)
External cable diameter	6.50 mm
Wire colors	White, yellow, blue, orange
External sheath, color	Green RAL 6018
Insulation resistance	min. 0.5 GΩ*km
Conductor resistance	≤ 120 Ω/km
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
Working capacitance	52 pF
Wave impedance	100 Ω ± 15 Ω (At 1- 100 MHz)
Signal runtime	5.3 ns/m
Coupling resistance	max. 20.00 mΩ/m
Test voltage Core/Core	2000 V
Test voltage Core/Shield	2000 V
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Star quad
Shielding	Tinned copper braided shield

Outer sheath, material	PVC
Material, inner sheath	PVC
Material conductor insulation	PE
Conductor material	Tin-plated Cu litz wires
Cable weight	67 kg/km
Smallest bending radius, fixed installation	min. 19.5 mm (cable, fixed installation)
Smallest bending radius, movable installation	min. 45.5 mm (cable, flexible installation)
Flame resistance	IEC 60332-1

**Address**

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