

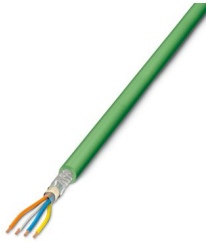
VS-PN-CABLE-933-B/... - Network cable



1657355

<https://www.phoenixcontact.com/us/products/1657355>

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.



PROFINET cable type B, CAT5e-SF/Q cable, 1 x 4 x 22 AWG, stranded (7-wire), shielded, outer sheath: PVC, outside diameter 6.5 mm, RAL 6018 (yellow-green), by the meter:

Commercial data

Item number	1657355
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LEA
Customs tariff number	85444980
Country of origin	DE

Technical data

Notes

General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 9.1.1 Balanced Cables (Type A,B,C)
---------	---

Product properties

Product type	Data cable by the meter
Sensor type	PROFINET
Number of positions	4
Shielded	yes

Electrical properties

Rated voltage (III/3)	125 V
Transmission medium	Copper
Transmission characteristics (category)	CAT5 (IEC 11801:2002)


Interfaces

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

Cable/line

Cable length	Free input (0.2 ... 40.0 m)
--------------	-----------------------------

PROFINET PVC stranded CAT5 [93B]

Dimensional drawing	
Cable weight	67 kg/km
UL AWM Style	21694
Number of positions	4
Shielded	yes
Cable type	PROFINET PVC stranded CAT5 [93B]
Conductor structure	1x4xAWG22/7, SF/TQ
Signal runtime	5.3 ns/m
Signal speed	0.66 c
Conductor structure signal line	7x 0.25 mm
AWG signal line	22
Conductor cross-section	4x 0.34 mm ²

VS-PN-CABLE-933-B/... - Network cable



1657355

<https://www.phoenixcontact.com/us/products/1657355>

Wire diameter incl. insulation	1.55 mm
External cable diameter	6.50 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	green RAL 6018
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE
Single wire, color	white, yellow, blue, orange
Thickness, outer sheath	approx. 0.90 mm
Overall twist	Star quad
Optical shield covering	85 %
Insulation resistance	≥ 500 MΩ*km
Coupling resistance	≤ 20.00 mΩ/m (at 10 MHz)
Loop resistance	≤ 120.00 Ω/km
Wave impedance	100 Ω ±15 Ω (at 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.)
Minimum bending radius, fixed installation	3 x D
Minimum bending radius, flexible installation	7 x D
Smallest bending radius, fixed installation	20 mm
Smallest bending radius, movable installation	46 mm
Near end crosstalk attenuation (NEXT)	80 dB (with 1 MHz)
	76 dB (at 4 MHz)
	70 dB (at 10 MHz)
	65 dB (at 16 MHz)
	63 dB (at 20 MHz)
	60 dB (at 31.25 MHz)
	55 dB (at 62.5 MHz)
	50 dB (at 100 MHz)
Shield attenuation	2.1 dB (with 1 MHz)
	4 dB (at 4 MHz)
	6.3 dB (at 10 MHz)
	8 dB (at 16 MHz)
	9 dB (at 20 MHz)
	11.4 dB (at 31.25 MHz)
	16.5 dB (at 62.5 MHz)
	21.3 dB (at 100 MHz)
Flame resistance	according to UL 1685 (CSA FT 4)
Resistance to oil	Resistant to oil to a limited extent
Other resistance	UV resistant (according to UL 1581, Section 1200)
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-40 °C ... 70 °C (Cable, flexible installation)
Ambient temperature (installation)	-20 °C ... 60 °C

VS-PN-CABLE-933-B/... - Network cable



1657355

<https://www.phoenixcontact.com/us/products/1657355>

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation) (Cable, fixed installation)

-40 °C ... 70 °C (Cable, flexible installation)

1657355

<https://www.phoenixcontact.com/us/products/1657355>

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

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