

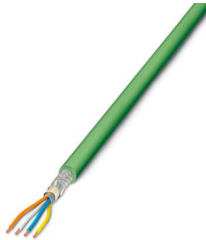
VS-PN-CABLE-934-C/100 - Network cable



1657397

<https://www.phoenixcontact.com/us/products/1657397>

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 C, CAT5e-SF/Q cable, 1 x 4 x 22 AWG, highly stranded (7-wire), shielded, outer sheath: PUR, outside diameter 6.7 mm, RAL 6018 (yellow-green), cable ring: 100 m

Commercial data

Item number	1657397
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LFA
GTIN	4046356098465
Weight per piece (including packing)	6,317 g
Weight per piece (excluding packing)	6,317 g
Customs tariff number	85445190
Country of origin	DE

VS-PN-CABLE-934-C/100 - Network cable



1657397

<https://www.phoenixcontact.com/us/products/1657397>

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	100 m
--------------	-------

PROFINET drag chain CAT5 [93C]

Dimensional drawing	
Cable weight	61 kg/km
Shielded	yes
Cable type	PROFINET drag chain CAT5 [93C]
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
Wire diameter incl. insulation	1.5 mm
External cable diameter	6.50 mm ±0.2 mm

VS-PN-CABLE-934-C/100 - Network cable



1657397

<https://www.phoenixcontact.com/us/products/1657397>

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
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 1 ... 100 MHz)
Nominal voltage, cable	600 V (UL rating)
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
Smallest bending radius, fixed installation	33 mm
Smallest bending radius, movable installation	49 mm
Dynamic load capacity (bending)	Max. bending cycles: 3000000, Bending radius: 100 mm, Traversing path: 10 m, Traversing rate: 4 m/s, Acceleration: 4 m/s ²
Tensile strength	≤ 150 N
Dynamic load capacity (torsion)	Torsion: ±30 °/m
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)
Halogen-free	yes
Flame resistance	according to IEC 60332-1-2
	in accordance with UN ECE-R 118.03
Resistance to oil	in accordance with DIN EN 60811-2-1

VS-PN-CABLE-934-C/100 - Network cable



1657397

<https://www.phoenixcontact.com/us/products/1657397>

Other resistance	UV resistant
Special properties	Electrical properties in accordance with EN 50288-2-2
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-40 °C ... 70 °C (Cable, flexible installation)
Ambient temperature (installation)	-20 °C ... 60 °C

Environmental and real-life conditions

Ambient conditions

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

1657397

<https://www.phoenixcontact.com/us/products/1657397>

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