

Network cable - VS-OE-OE-93A-100,0 - 1416392

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Network cable, PROFINET CAT5 (100 Mbps), PROFINET CAT5e (100 Mbps), 4-position, PVC, green-yellow RAL 6018, shielded, free cable end, on free cable end, Cable length: 100 m



Key commercial data

Packing unit	1 pc
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	100 m
-----------------	-------

General data

Note	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)
Number of positions	4
Signal type/category	PROFINET CAT5 (IEC 11801:2002), 100 Mbps
	PROFINET CAT5e (TIA 568B:2001), 100 Mbps

Cable

Cable type	PROFINET
Cable type (abbreviation)	93A
UL AWM style	2464
Signal type/category	PROFINET CAT5 (IEC 11801:2002), 100 Mbps
	PROFINET CAT5e (TIA 568B:2001), 100 Mbps
Cable structure	1x4xAWG22/1; SF/Q
Conductor cross section	4x 0.32 mm ²
AWG signal line	22

Network cable - VS-OE-OE-93A-100,0 - 1416392

Technical data

Cable

Conductor structure signal line	1x 0.65 mm
Core diameter including insulation	1.5 mm ±0.05 mm
Wire colors	White, yellow, blue, orange
Overall twist	Star quad
Shielding	SF/TQ
Optical shield covering	90 %
External sheath, color	green-yellow RAL 6018
External cable diameter D	6.5 mm ±0.2 mm
Outer sheath, material	PVC
Material conductor insulation	PE
Conductor material	Tin-plated Cu litz wires
Conductor resistance	≤ 57100000 Ω/km
Wave impedance	100 Ω ±15 Ω (at 1 ... 100 MHz)
Signal speed	0.68 c
Signal runtime	5.3 ns/m
Coupling resistance	< 10.00 mΩ/m (At 10 MHz)
Nominal voltage, cable	300 V
Test voltage Core/Core	2500 V DC
Test voltage Core/Shield	2500 V DC
Flame resistance	According to VW-1
Resistance to oil	According to IEC 60811-2-1
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
Ambient temperature (installation)	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

Classifications

eCl@ss

eCl@ss 4.0	27060307
eCl@ss 4.1	27060307
eCl@ss 5.0	27060307
eCl@ss 5.1	27060307
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

Network cable - VS-OE-OE-93A-100,0 - 1416392

Classifications

ETIM

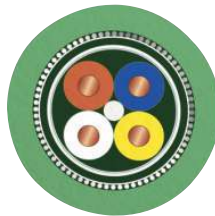
ETIM 3.0	EC000830
ETIM 4.0	EC000830
ETIM 5.0	EC000830

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Drawings

Cable cross section



PROFINET [93A]