PHŒNIX CONTACT

Network cable - VS-PPC/PL-IP20-94B-LI/5,0 - 1412024

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://phoenixcontact.com/download)

Assembled Ethernet cable, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (sea blue), RJ45 connector/ IP67 push/pull plastic housing to RJ45 connector/IP20, line, length 5 m

Ethernet

Key Commercial Data

Packing unit	1 STK
Custom tariff number	85444210
Country of origin	Poland

Technical data

Dimensions

Length of cable	5 m

Ambient conditions

Degree of protection	IP20
	IP67

General data

Number of positions	8
Signal type/category	Ethernet CAT5, 1 Gbps
Degree of pollution	2

Characteristics head 1

Head type	Plug straight RJ45 Push Pull / IP67
No. of positions (pin connector pattern)	8
Material (component)	Plastic

Characteristics head 2

Network cable - VS-PPC/PL-IP20-94B-LI/5,0 - 1412024

Technical data

Characteristics head 2

Head type	Plug straight RJ45 / IP20
No. of positions (pin connector pattern)	8
Material (component)	Plastic

Standards and Regulations

Flammability rating according to UL 94	V2

Cable

Cable type	Ethernet, flexible, CAT5
Cable type (abbreviation)	94B
UL AWM style	20963 (80°C/30 V)
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
Cable structure	4x2xAWG26/7; SF/UTP
Conductor cross section	4x 2x 0.14 mm²
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	0.96 mm
Wire colors	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Shielding	Aluminum-coated foil, tinned copper braided shield
Optical shield covering	70 %
External sheath, color	water blue RAL 5021
Outer sheath thickness	1.05 mm
External cable diameter D	6.4 mm ±0.2 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Tensile strength short-term/long-term	$\leq$ 100 N
Cable weight	47 kg/km
Outer sheath, material	PUR
Material conductor insulation	Foamed PE
Conductor material	Bare Cu litz wires
Insulation resistance	$\geq$ 500 MΩ*km
Loop resistance	$\leq$ 290 Ω (per km)
Cable capacity	48 nF/km (at 1 kHz)
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Signal runtime	5.3 ns/m
Coupling resistance	$\leq$ 100.00 mΩ/m (At 10 MHz)

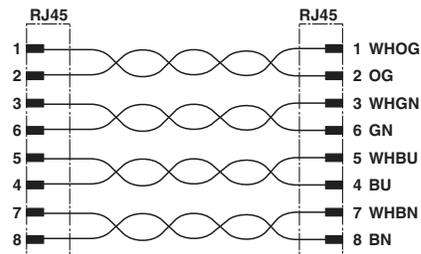# Network cable - VS-PPC/PL-IP20-94B-LI/5,0 - 1412024

Technical data

Cable

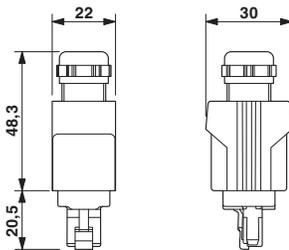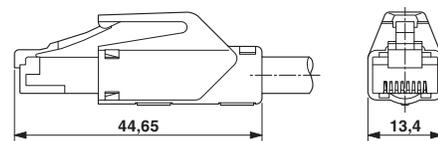| Nominal voltage, cable	≤ 100 V
Test voltage Core/Core	700 V (50 Hz, 1 min.)
Test voltage Core/Shield	700 V (50 Hz, 1 min.)
Flame resistance	According to IEC 60332-1-2
Halogen-free	According to IEC 60754-1
Resistance to oil	according to EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)
Ambient temperature (installation)	-20 °C ... 80 °C
Ambient temperature (storage/transport)	-20 °C ... 80 °C

Drawings

Cable cross section

Ethernet, flexible, CAT5 [94B]

Circuit diagram

Dimensional drawing

Push-pull RJ45 connector IP65/67

Dimensional drawing

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

Network cable - VS-PPC/PL-IP20-94B-LI/5,0 - 1412024

Classifications

eCl@ss

eCl@ss 5.0	27260701
eCl@ss 5.1	27060307
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27060308
eCl@ss 9.0	27060308

ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC002599
ETIM 5.0	EC002599

UNSPSC

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	31261501
UNSPSC 13.2	26121616

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC