chanhvinh.com

VS-IP67-IP20-94B-LI/5,0 - Network cable

1407932

https://www.phoenixcontact.com/gb/products/1407932

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.



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

Commercial data

Item number	1407932
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABNABM
Product key	ABNABM
Catalog page	Page 400 (C-2-2019)
GTIN	4046356475426
Weight per piece (including packing)	266.6 g
Weight per piece (excluding packing)	278.5 g
Customs tariff number	85444210
Country of origin	PL

VS-IP67-IP20-94B-LI/5,0 - Network cable

1407932

https://www.phoenixcontact.com/gb/products/1407932

Technical data

Product properties

Product type	Data cable preassembled
Sensor type	Ethernet
Number of positions	8
No. of cable outlets	1
Shielded	yes
Cable outlet	straight

Data management status

Article revision	07

Insulation characteristics

Degree of pollution	2

Electrical properties

Transmission medium	Copper
Transmission speed	1 Gbps
Wave impedance	100 Ω

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 750

Material specifications

Flammability rating according to UL 94	V2
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires

Connector

Connection 1

Type	Plug straight RJ45
Handle color	gray
Degree of protection	IP67

Connection 2

Type	Plug straight RJ45
Handle color	gray
Degree of protection	IP20

Cable/line

Cable length	5.00 m

Ethernet flexible CAT5, 4-pair [94B]

VS-IP67-IP20-94B-LI/5,0 - Network cable

1407932

https://www.phoenixcontact.com/gb/products/1407932

Dimensional drawing	
Shielded	yes
UL AWM Style	20963 (80°C/30 V)
Cable weight	47 kg/km
Cable type	Ethernet flexible CAT5, 4-pair
Short symbol	02YS(ST)C11Y
Cable type (abbreviation)	94B
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
Cable structure	4x2xAWG26/7, SF/UTP
External cable diameter	6.40 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Thickness, outer sheath	1.05 mm
Conductor material	Bare Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	4x 2x 0.14 mm²
Material wire insulation	Foamed PE
Wire diameter incl. insulation	0.96 mm
Single wire, color	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 %
Nominal voltage, cable	≤ 100 V
Test voltage Core/Core	700 V (50 Hz, 1 min.)
Test voltage Core/Shield	700.00 V (50 Hz, 1 min.)
Cable insulation resistance	≥ 5 GΩ*km
Coupling resistance	≤ 100.00 mΩ/m (at 10 MHz)
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Loop resistance	≤ 290.00 Ω/km
Cable capacity	48 nF/km (at 1 kHz)
Signal runtime	5.3 ns/m
Tensile strength	≤ 100 N
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D

chanhvinh.com

VS-IP67-IP20-94B-LI/5,0 - Network cable

1407932

https://www.phoenixcontact.com/gb/products/1407932

Near end crosstalk attenuation (NEXT)	71.3 dB (with 1 MHz)
	62.3 dB (at 4 MHz)
	56.3 dB (at 10 MHz)
	53.2 dB (at 16 MHz)
	51.8 dB (at 20 MHz)
	48.9 dB (at 31.25 MHz)
	44.4 dB (at 62.5 MHz)
	41.3 dB (at 100 MHz)
Power-summated near end crosstalk attenuation (PSNEXT)	62.3 dB (with 1 MHz)
	53.3 dB (at 4 MHz)
	47.3 dB (at 10 MHz)
	44.2 dB (at 16 MHz)
	42.8 dB (at 20 MHz)
	39.9 dB (at 31.25 MHz)
	35.4 dB (at 62.5 MHz)
	32.3 dB (at 100 MHz)
Return attenuation (RL)	23 dB (at 4 MHz)
	24.1 dB (at 8 MHz)
	25 dB (at 10 MHz)
	25 dB (at 16 MHz)
	25 dB (at 20 MHz)
	23.6 dB (at 31.25 MHz)
	21.5 dB (at 62.5 MHz)
	20.1 dB (at 100 MHz)
Halogen-free	according to IEC 60754-1
Resistance to oil	in accordance with EN 60811-2-1
Flame resistance	according to IEC 60332-1-2
Ambient temperature (operation)	-20 °C ... 80 °C (Cable, flexible installation)
	-40 °C ... 80 °C (cable, fixed installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
	IP67
	IP67/IP20

chanhvinh.com

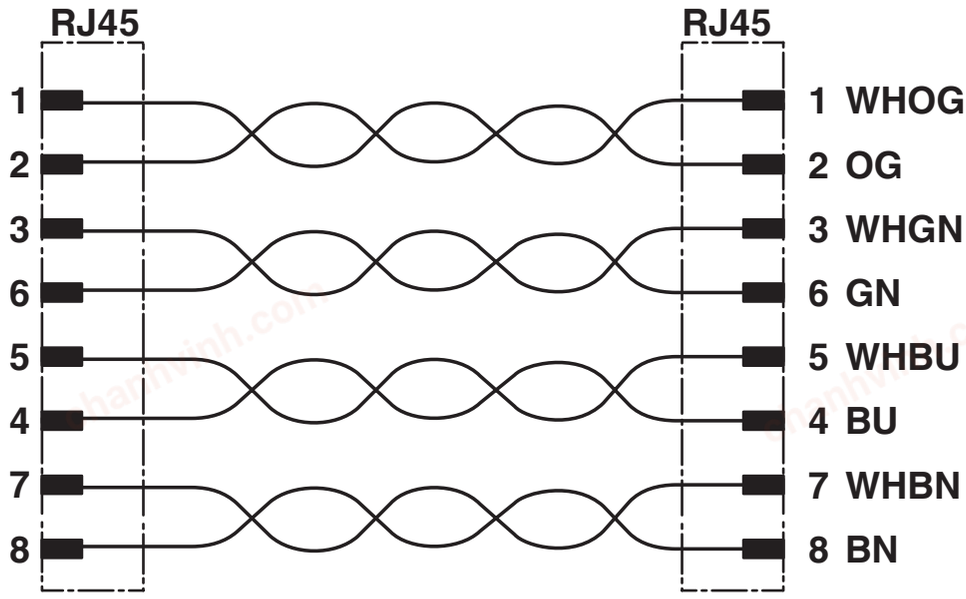
VS-IP67-IP20-94B-LI/5,0 - Network cable

1407932

https://www.phoenixcontact.com/gb/products/1407932

Drawings

Circuit diagram



chanhvinh.com

VS-IP67-IP20-94B-LI/5,0 - Network cable

1407932

https://www.phoenixcontact.com/gb/products/1407932

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1407932

EAC
Approval ID: 19060508

chanhvinh.com

VS-IP67-IP20-94B-LI/5,0 - Network cable

1407932

https://www.phoenixcontact.com/gb/products/1407932

Classifications

ECLASS

ECLASS-11.0	27060308
ECLASS-12.0	27060308
ECLASS-13.0	27060307

ETIM

ETIM 9.0	EC001855

UNSPSC

UNSPSC 21.0	26121600

chanhvinh.com

VS-IP67-IP20-94B-LI/5,0 - Network cable

1407932

https://www.phoenixcontact.com/gb/products/1407932

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)
SCIP	44729c55-0b92-4e76-9463-5920fd9723c7

Phoenix Contact 2024 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk