

VS-IP67-IP67-94C-LI/10,0 - Network cable



1413146

<https://www.phoenixcontact.com/us/products/1413146>

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 flexible cable conduit capable (19-wire), RAL 5021 (sea blue), RJ45 connector/IP67 gray to RJ45 connector/IP67, gray, line, length 10 m

Commercial data

Item number	1413146
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB11
Product key	ABNABM
GTIN	4046356475761
Weight per piece (including packing)	606.8 g
Weight per piece (excluding packing)	592.922 g
Customs tariff number	85444210
Country of origin	PL

1413146

<https://www.phoenixcontact.com/us/products/1413146>

Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 BASIC IE8 CAT5
Application	Standard
Number of positions	8
Shielded	yes

Interfaces

Signal type/category	Ethernet, 1 Gbps
----------------------	------------------

Electrical properties

Transmission speed	1 Gbps
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps
Wave impedance	100 Ω

Material specifications

Outer sheath, material	PUR
Conductor material	Bare Cu litz wires

Connector

Connection 1

Type	RJ45 Plug, straight, 8-position, Locking clips
Number of positions	8
Signal type/category	Ethernet CAT5 (IEC 11801:2002), 100 Mbps
Insertion/withdrawal cycles	≥ 750
Degree of pollution	2
Material Housing	Plastic
Color (Housing)	gray
Flammability rating according to UL 94	V2
Degree of protection	IP67
Ambient temperature (operation)	0 °C ... 70 °C

Connection 2

Type	RJ45 Plug, straight, 8-position, Locking clips
Number of positions	8
Signal type/category	Ethernet CAT5 (IEC 11801:2002), 100 Mbps
Insertion/withdrawal cycles	≥ 750
Degree of pollution	2
Material Housing	Plastic
Color (Housing)	gray
Flammability rating according to UL 94	V2

VS-IP67-IP67-94C-LI/10,0 - Network cable



1413146


<https://www.phoenixcontact.com/us/products/1413146>

Degree of protection	IP67
Ambient temperature (operation)	0 °C ... 70 °C

Cable/line

Cable length	10.00 m
--------------	---------

Ethernet drag chain CAT5, 4-pair [94C]

Dimensional drawing	
Cable weight	57 kg/km
UL AWM Style	20963 (80°C/30 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet drag chain CAT5, 4-pair [94C]
Conductor structure	4x2xAWG26/19, S/UTP
Signal runtime	5.3 ns/m
Conductor structure signal line	19x 0.10 mm
AWG signal line	26
Conductor cross-section	4x 2x 0.14 mm ²
Wire diameter incl. insulation	1 mm
External cable diameter	6.90 mm +0.1 mm ... 0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Thickness, outer sheath	0.85 mm
Twisted pairs	2 cores to the pair
Overall twist	Four pairs and four fillers to the core
Optical shield covering	90 %
Insulation resistance	≥ 500 MΩ*km
Coupling resistance	≤ 100.00 mΩ/m (at 10 MHz)
Loop resistance	≤ 290.00 Ω/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Cable capacity	approx. 50 nF/km (at 1 kHz)
Nominal voltage, cable	≤ 100 V
Test voltage Core/Core	700 V (50 Hz, 1 min.)

VS-IP67-IP67-94C-LI/10,0 - Network cable



1413146

<https://www.phoenixcontact.com/us/products/1413146>

Test voltage Core/Shield	700.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Smallest bending radius, fixed installation	28 mm
Smallest bending radius, movable installation	56 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 7,5 x D, Traversing rate: 3 m/s, Acceleration: 5 m/s ²
Tensile strength	≤ 100 N
Near end crosstalk attenuation (NEXT)	65.3 dB (with 1 MHz)
	56.3 dB (at 4 MHz)
	50.3 dB (at 10 MHz)
	47.2 dB (at 16 MHz)
	45.8 dB (at 20 MHz)
	42.9 dB (at 31.25 MHz)
	38.4 dB (at 62.5 MHz)
	35.3 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)
Shield attenuation	3.2 dB (with 1 MHz)
	6 dB (at 4 MHz)
	9.5 dB (at 10 MHz)
	12.1 dB (at 16 MHz)
	13.6 dB (at 20 MHz)
	17.1 dB (at 31.25 MHz)
	24.8 dB (at 62.5 MHz)
	32 dB (at 100 MHz)
Halogen-free	according to IEC 60754-1
Flame resistance	according to IEC 60332-1-2
Resistance to oil	in accordance with EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)

VS-IP67-IP67-94C-LI/10,0 - Network cable



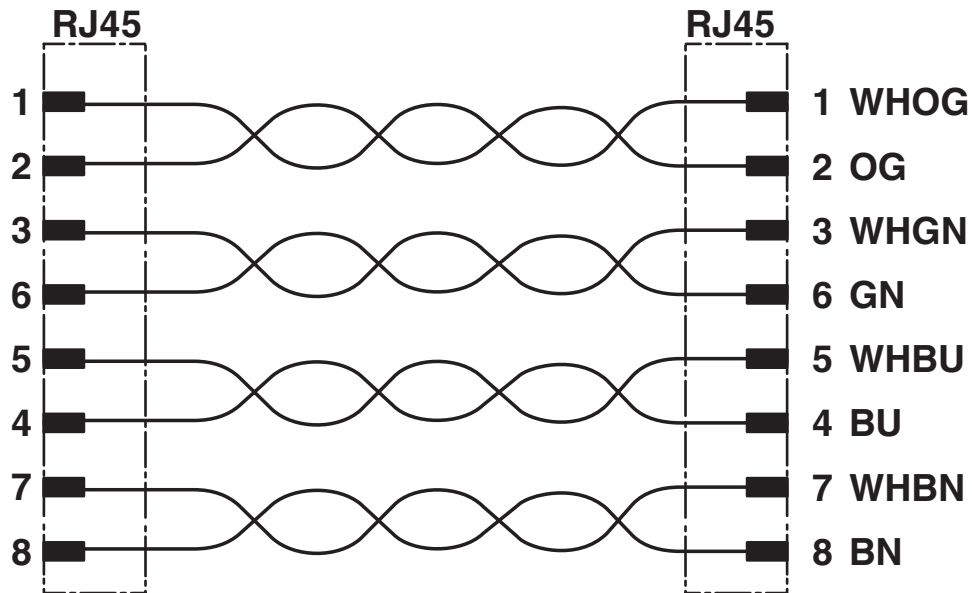
1413146

<https://www.phoenixcontact.com/us/products/1413146>

	-20 °C ... 80 °C (Cable, flexible installation)
Ambient temperature (installation)	-20 °C ... 80 °C

Drawings

Circuit diagram



VS-IP67-IP67-94C-LI/10,0 - Network cable



1413146

<https://www.phoenixcontact.com/us/products/1413146>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1413146>



EAC

Approval ID: 19060508

VS-IP67-IP67-94C-LI/10,0 - Network cable



1413146

<https://www.phoenixcontact.com/us/products/1413146>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

VS-IP67-IP67-94C-LI/10,0 - Network cable



1413146

<https://www.phoenixcontact.com/us/products/1413146>

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	664b5642-5d17-4d99-a599-275d0e8b5b88

EF3.1 Climate Change

CO2e kg	15.062 kg CO2e
---------	----------------

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