

VS-PPC/ME-PPC/ME-94F-LI/5,0 - Network cable



1415885

<https://www.phoenixcontact.com/us/products/1415885>

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, CAT6, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), RJ45 plug/IP67 push-pull metal housing on RJ45 plug/IP67 push-pull metal housing, line, length 5 m

Commercial data

Item number	1415885
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB11
Product key	ABNABF
GTIN	4046356475006
Weight per piece (including packing)	362.1 g
Weight per piece (excluding packing)	350.458 g
Customs tariff number	85444210
Country of origin	PL

1415885

<https://www.phoenixcontact.com/us/products/1415885>

Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 INDUSTRIAL IE8 CAT6A
Number of positions	8
Shielded	yes

Interfaces

Signal type/category	Ethernet CAT6, 1 Gbps
----------------------	-----------------------

Electrical properties

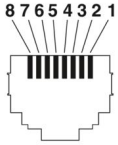
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT6
Transmission speed	1 Gbps
Wave impedance	100 Ω

Material specifications

Outer sheath, material	PUR
Conductor material	Bare Cu litz wires

Connector

Connection 1

Dimensional drawing	 <p>Connector pin assignment plug RJ45</p>
Type	RJ45 Plug, straight, 8-position, Push Pull
Number of positions	8
Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps
Insertion/withdrawal cycles	≥ 750
Material Contact	CuSn
Material Contact surface	Ni/Au
Material Contact carrier	PC
Material Housing	PA-GF
Color (Housing)	silver-colored
Flammability rating according to UL 94	V2
Degree of protection	IP67

VS-PPC/ME-PPC/ME-94F-LI/5,0 - Network cable

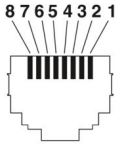


1415885

<https://www.phoenixcontact.com/us/products/1415885>

	IP65
Ambient temperature (operation)	-40 °C ... 70 °C

Connection 2

Dimensional drawing	 <p>Connector pin assignment plug RJ45</p>
Type	RJ45 Plug, straight, 8-position, Push Pull
Number of positions	8
Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps
Insertion/withdrawal cycles	≥ 750
Material Contact	CuSn
Material Contact surface	Ni/Au
Material Contact carrier	PC
Material Housing	PA-GF
Color (Housing)	silver-colored
Flammability rating according to UL 94	V2
Degree of protection	IP67 IP65
Ambient temperature (operation)	-40 °C ... 70 °C

Cable/line

Cable length	5.00 m
--------------	--------

Ethernet 10 Gbit [94F]

Dimensional drawing	
UL AWM Style	21238 (80 °C / 600 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet 10 Gbit [94F]
Conductor structure	4x2xAWG26/7; S/FTP
AWG signal line	26

VS-PPC/ME-PPC/ME-94F-LI/5,0 - Network cable



1415885

<https://www.phoenixcontact.com/us/products/1415885>

Conductor cross-section	4x 2x 0.14 mm ²
Wire diameter incl. insulation	1 mm ±0.05 mm
External cable diameter	6.40 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	Foamed PE
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
Optical shield covering	70 %
Insulation resistance	≥ 500 MΩ*km
Loop resistance	≤ 290.00 Ω/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Nominal voltage, cable	≤ 100 V
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	4 x D
Minimum bending radius, flexible installation	8 x D
Smallest bending radius, fixed installation	26 mm
Smallest bending radius, movable installation	51 mm
Halogen-free	according to IEC 60754-1
Flame resistance	according to IEC 60332-1-2
	in accordance with UN ECE-R 118.03
	according to CSA C 22.2 No. 210-FT1
Resistance to oil	in accordance with DIN EN 60811-404
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

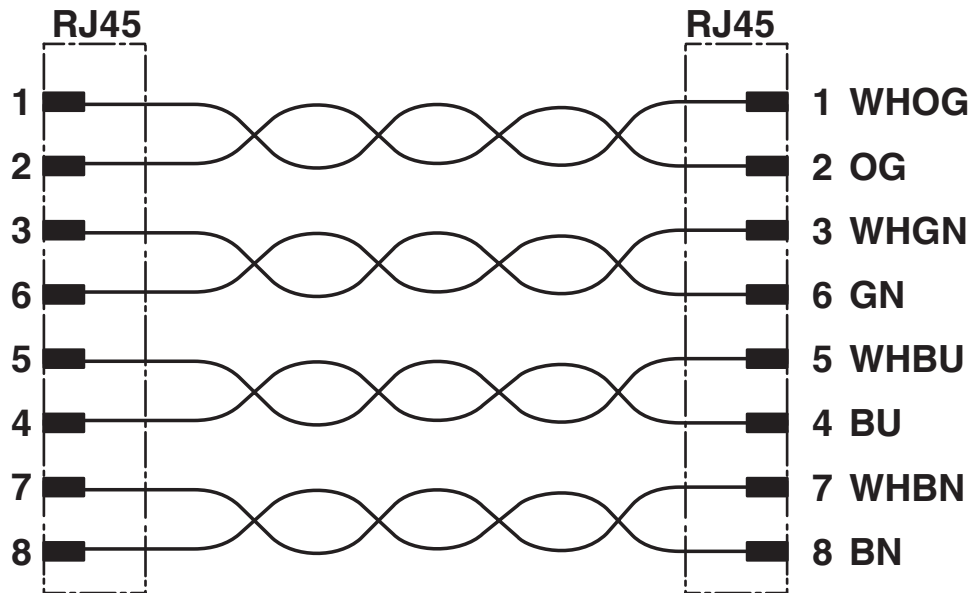
Ambient temperature (operation)	-10 °C ... 50 °C (Cable, flexible installation)
---------------------------------	---

Standards and regulations

Standards/specifications	IEC PAS 61076-3-117
--------------------------	---------------------

Drawings

Circuit diagram



VS-PPC/ME-PPC/ME-94F-LI/5,0 - Network cable



1415885

<https://www.phoenixcontact.com/us/products/1415885>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1415885>



EAC

Approval ID: 19060508

VS-PPC/ME-PPC/ME-94F-LI/5,0 - Network cable



1415885

<https://www.phoenixcontact.com/us/products/1415885>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

UNSPSC

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

VS-PPC/ME-PPC/ME-94F-LI/5,0 - Network cable



1415885

<https://www.phoenixcontact.com/us/products/1415885>

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	488c6994-9e81-4434-8a1e-97b707990948

EF3.1 Climate Change

CO2e kg	16.87 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