

## Network cable - VS-FSBPXS-OE-94F/1,0 - 1424148

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Assembled Ethernet cable, CAT6<sub>A</sub>, shielded, 4-pair, 26 AWG stranded (7-wire), RAL 5021 (water blue), M12 flush-type socket, rear/screw mounting with M16 thread to free cable end, length: 1 m

### Why buy this product

- Pre-assembled with cables in various standard lengths for immediate use
- Customer-specific assemblies and cable lengths can be supplied
- Sealed on the cable side for optimum tightness of seal
- Cable designs for all common networks and fieldbuses
- For high transmission safety: shield connection to the housing with optional EMC nut



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356692625

### Technical data

#### Mechanical characteristics

Number of positions	8
Number of slots	1
Insertion/withdrawal cycles	≥ 100
Cable outlet	straight
Length of cable	1 m
Insulation resistance	≥ 100 MΩ
Degree of protection	IP67
	IP65/IP67
No. of cable outlets	1
Type of note	Notes on operation

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## Technical data

### Mechanical characteristics

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
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### Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-40 °C ... 90 °C (without mechanical actuation)
Degree of protection	IP65
	IP67

### Material data

Flammability rating according to UL 94	V0
Contact carrier material	PPA
Contact material	CuZn
Contact surface material	Au
Cable gland material	Zinc die-cast, nickel-plated
Sealing material	FKM

### Electrical characteristics

Rated surge voltage	0.8 kV
Insulation resistance	≥ 100 MΩ
Transmission characteristics (category)	CAT6 <sub>A</sub>

### Standards and Regulations

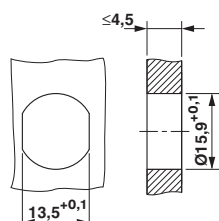
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

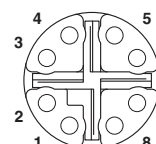
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Dimensional drawing



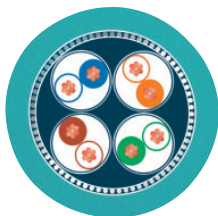
Schematic diagram



M12 socket pin assignment, 8-pos, view of socket side

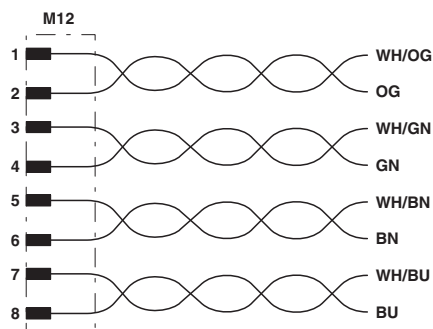
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Cable cross section



Ethernet 10 Gbit [94F]

Circuit diagram



Contact assignment of the M12 plug

## Approvals

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EAC / UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

### Approval details

EAC		B.00767
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E335024-20120308
Nominal voltage UN	60 V		
Nominal current IN	0.5 A		

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E335024-20120308
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cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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