PHŒNIX CONTACT

Network cable - VS-M12FSBP-OE-94B-LI/0,5 - 1401057

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Assembled Ethernet cable, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (sea blue), M12 flush-type socket, rear wall/screw mounting with M16 thread on free cable end, line, length 0.5 m

Your advantages

☑ 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

RoHS

Ethernet

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	4 046356 520942
GTIN	4046356520942

Technical data

Mechanical characteristics

Number of positions	8
Shielded	yes
Insertion/withdrawal cycles	≥ 100
Cable diameter	6.40 mm
Cable outlet	straight
Cable structure	4x2xAWG26/7; S-UTP
Length of cable	0.5 m
Insulation resistance	≥ 100 MΩ
Degree of protection	IP67
	IP65/IP67

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Technical data

Mechanical characteristics

No. of cable outlets	1
Type of note	Notes on operation
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.

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 85 °C (cable, flexible installation)
	-40 °C ... 85 °C (cable, fixed installation)
Degree of protection	IP67
	IP67

Material data

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Sealing material	FKM
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021

Electrical characteristics

Rated surge voltage	0.8 kV
Insulation resistance	$\geq 100\ M\Omega$

Standards and Regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

	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

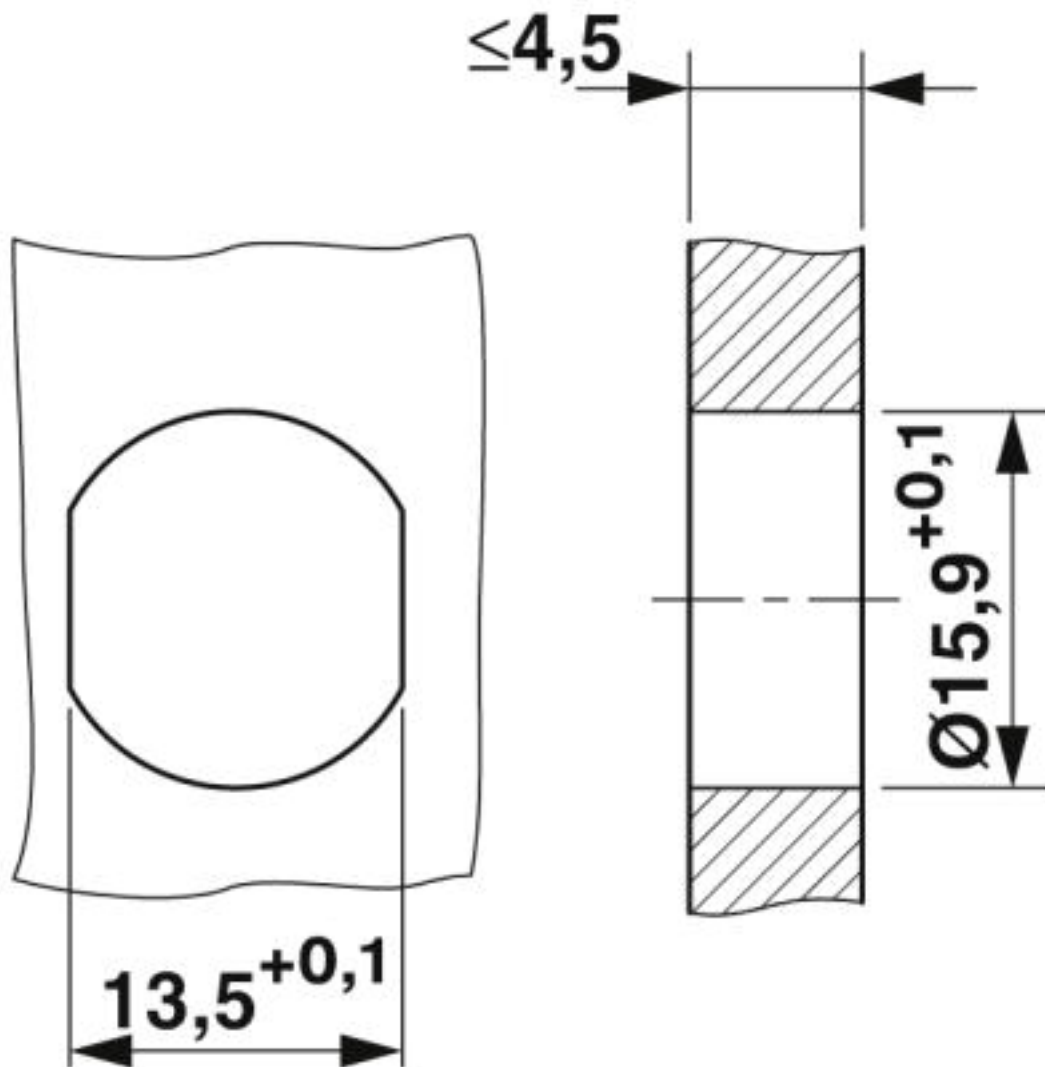# Network cable - VS-M12FSBP-OE-94B-LI/0,5 - 1401057

Schematic diagram
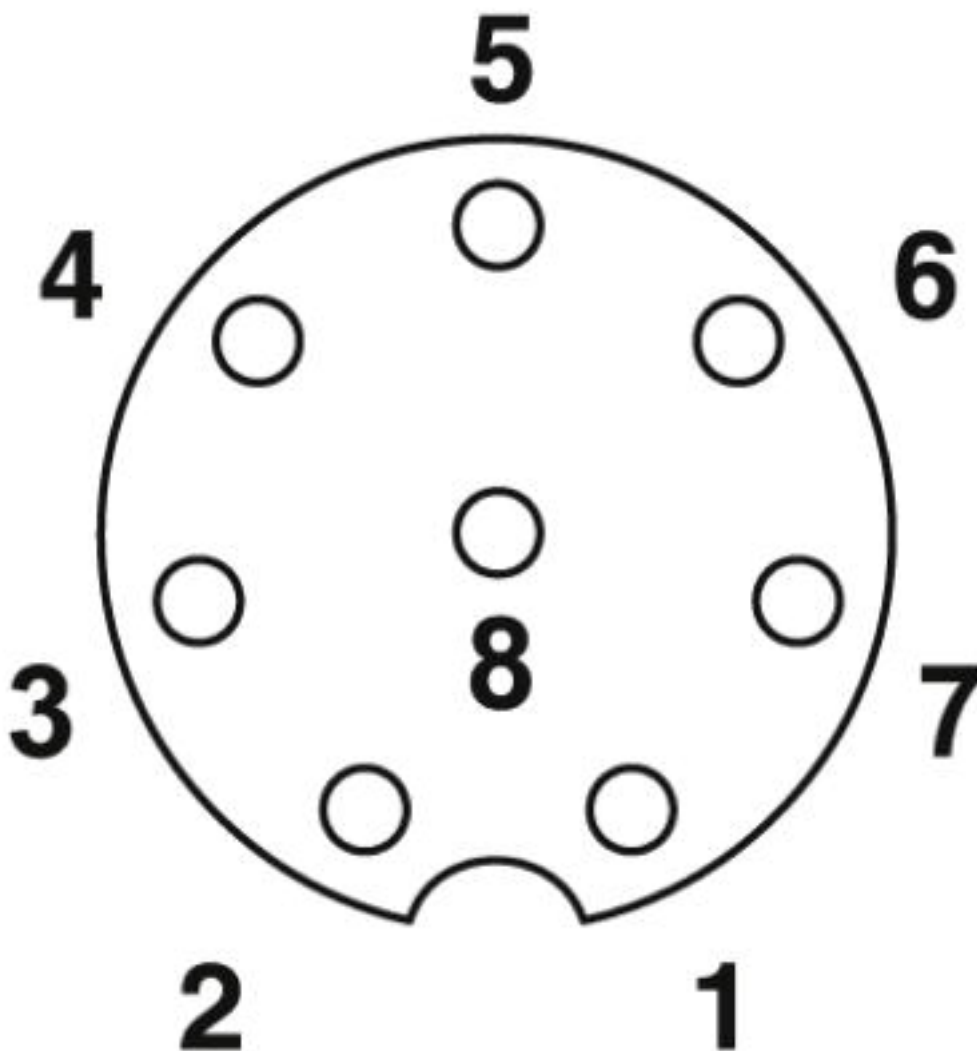
Pin assignment M12 socket, 8-pos., A-coded, view female side

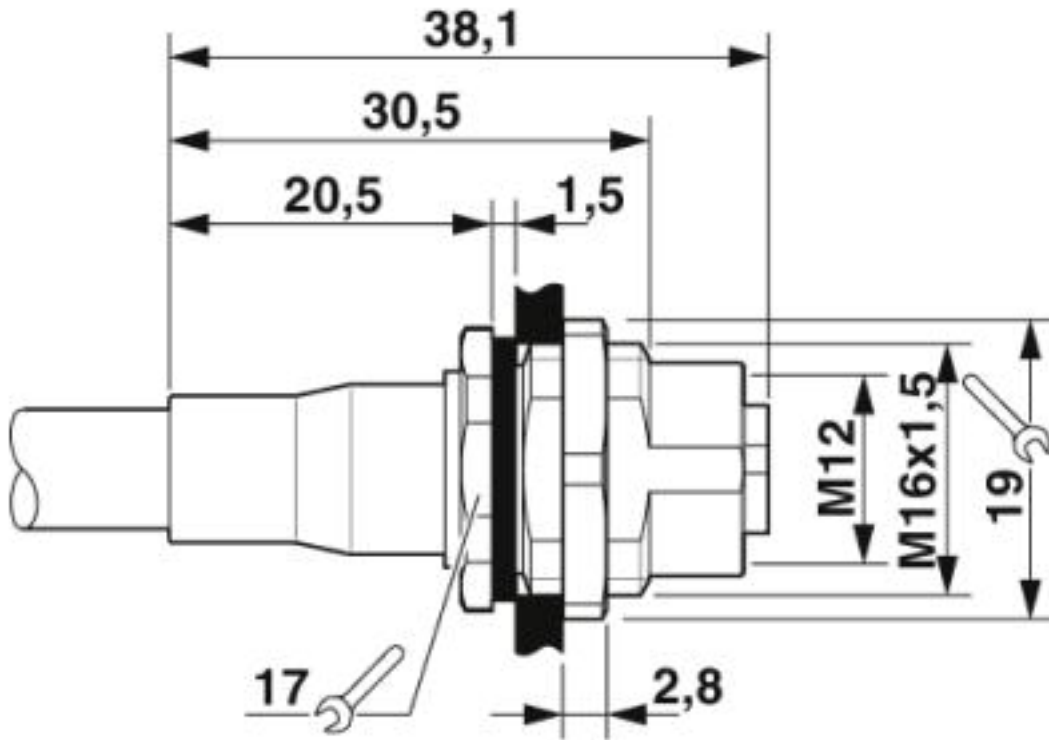# Network cable - VS-M12FSBP-OE-94B-LI/0,5 - 1401057

Dimensional drawing

≤4,5

Ø15,9$^{+0,1}$

13,5$^{+0,1}$

Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

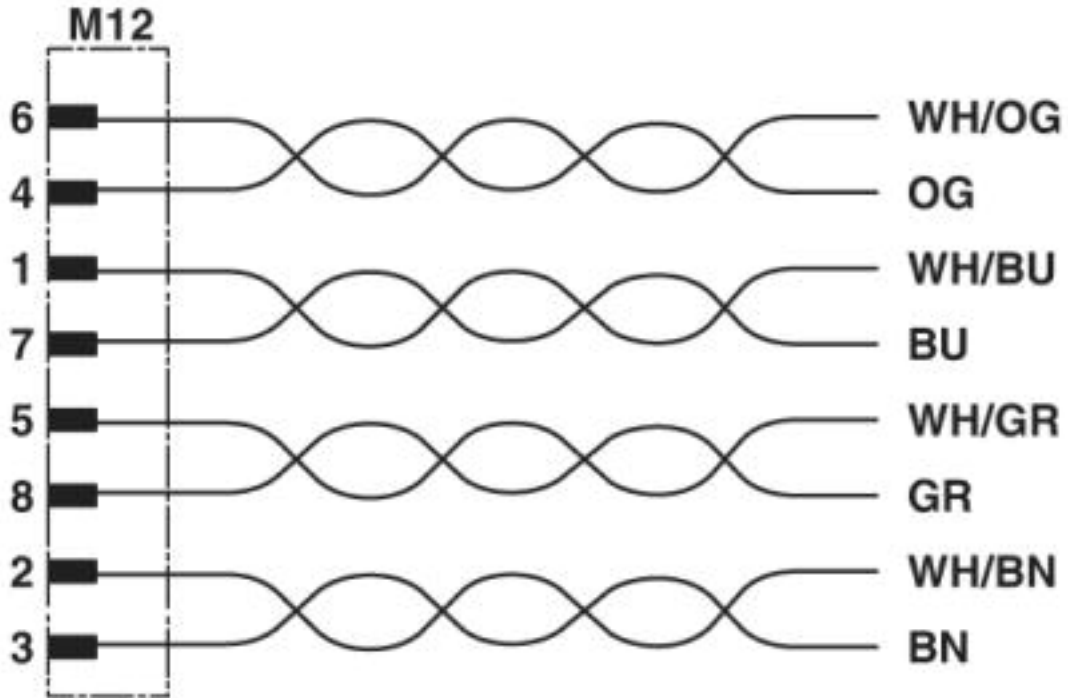# Network cable - VS-M12FSBP-OE-94B-LI/0,5 - 1401057

Dimensional drawing

M12 flush-type connector

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Circuit diagram

Contact assignment of the M12 plug and the M12 socket

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Cable cross section

Ethernet, flexible, CAT5 [94B]

Approvals

Approvals

Approvals	
EAC	

Ex Approvals	

Approval details	

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Approvals

EAC	EAL	B.00767