

Network cable - VS-M12FSBPS-IP20-93E-LI/0,5 - 1404205

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Assembled Ethernet cable, CAT5e, shielded, 2-pair, 26 AWG stranded (7-wire), RAL 5021 (water blue), M12 flush-type socket, rear/screw mounting with SPEEDCON to RJ45 plug/IP20, line, length 0.5 m

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 681490
GTIN	4046356681490

Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)

General data

Number of positions	4
Alternative short product description	Ethernet cable
Transmission characteristics (category)	CAT5

Characteristics head 1

Shielded	yes
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Type type, socket side	Plug, straight

Standards and Regulations

Flammability rating according to UL 94	V2
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Cable

Cable type	Ethernet
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Technical data

Cable

Cable type (abbreviation)	93E
Signal type/category	Ethernet CAT5 (IEC 11801:2002)
Cable structure	2x2xAWG26/7 PIMF
Conductor cross section	2x 2x 0.14 mm ²
AWG signal line	26
Conductor structure signal line	7x 0.15 mm
Core diameter including insulation	≤ 1.05 mm
Wire colors	white/orange-orange, white/green-green
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Two pairs with two fillers to the core
Shielding	Tinned copper braided shield
External sheath, color	water blue RAL 5021
External cable diameter D	6.7 mm
Smallest bending radius, movable installation	34 mm
Tensile strength GRP	30 N (for installation)
	10 N (in accordance with installation)
Cable weight	42 kg/km
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 5 GΩ*km
Conductor resistance	≤ 150 Ω/km
Working capacitance	42 pF
Wave impedance	100 Ω ±5 % (at 100 MHz)
Signal speed	0.72 c
Shield attenuation	60 dB (up to 1000 MHz)
Coupling resistance	5.00 mΩ/m (at 10 MHz)
Nominal voltage, cable	max. 125 V
Test voltage, cable	1000 V
Special properties	Free of substances which would hinder coating with paint or varnish
Flame resistance	complying with IEC 60332-2-2
Halogen-free	complying with IEC 60754-1/2
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Microbe resistance as per VDE 0282 section 10
	Hydrolysis resistance as per DIN 53504
Concentration of fumes	in accordance with IEC 61034-1/2
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-10 °C ... 50 °C (cable, flexible installation)

Environmental Product Compliance

Network cable - VS-M12FSBPS-IP20-93E-LI/0,5 - 1404205

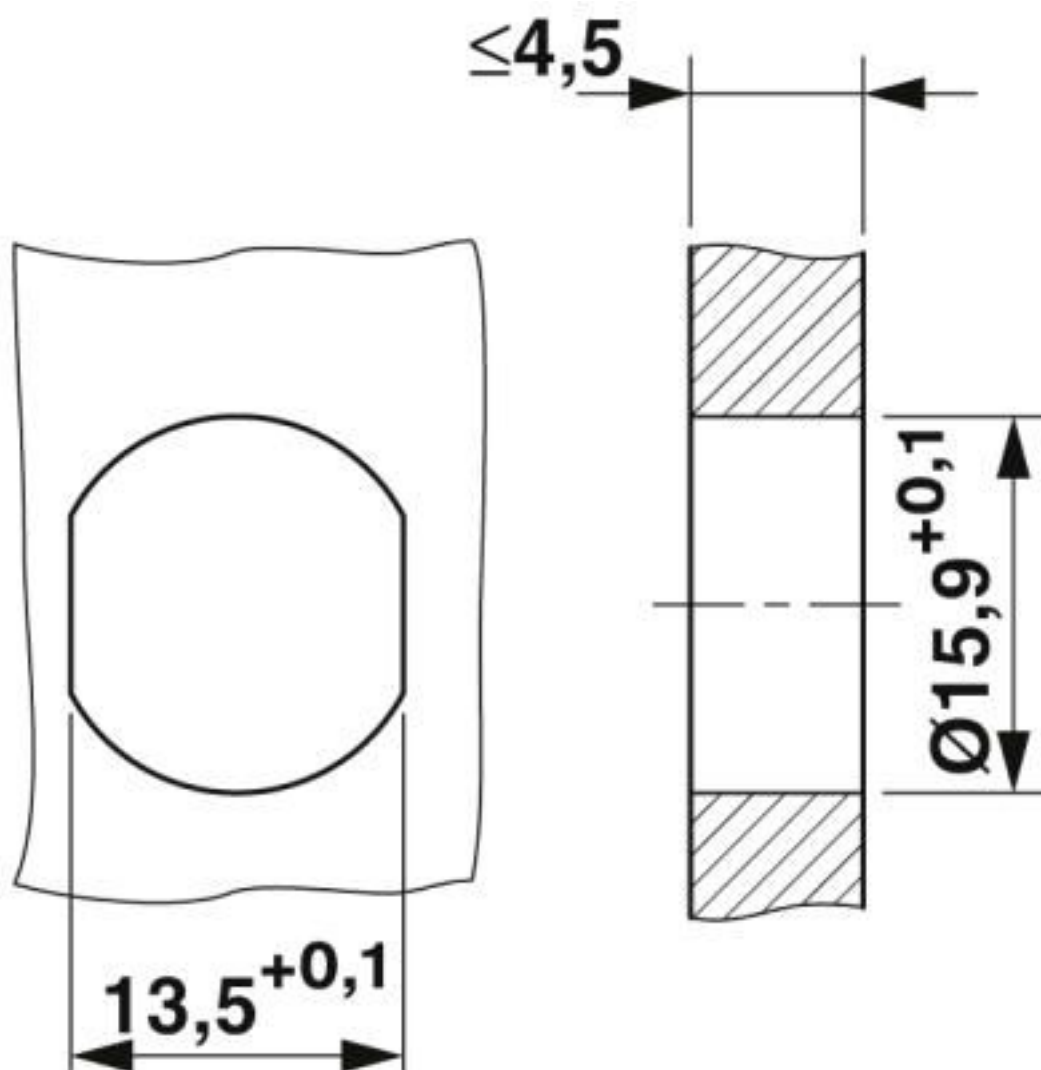
Technical data

Environmental Product Compliance

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

Drawings

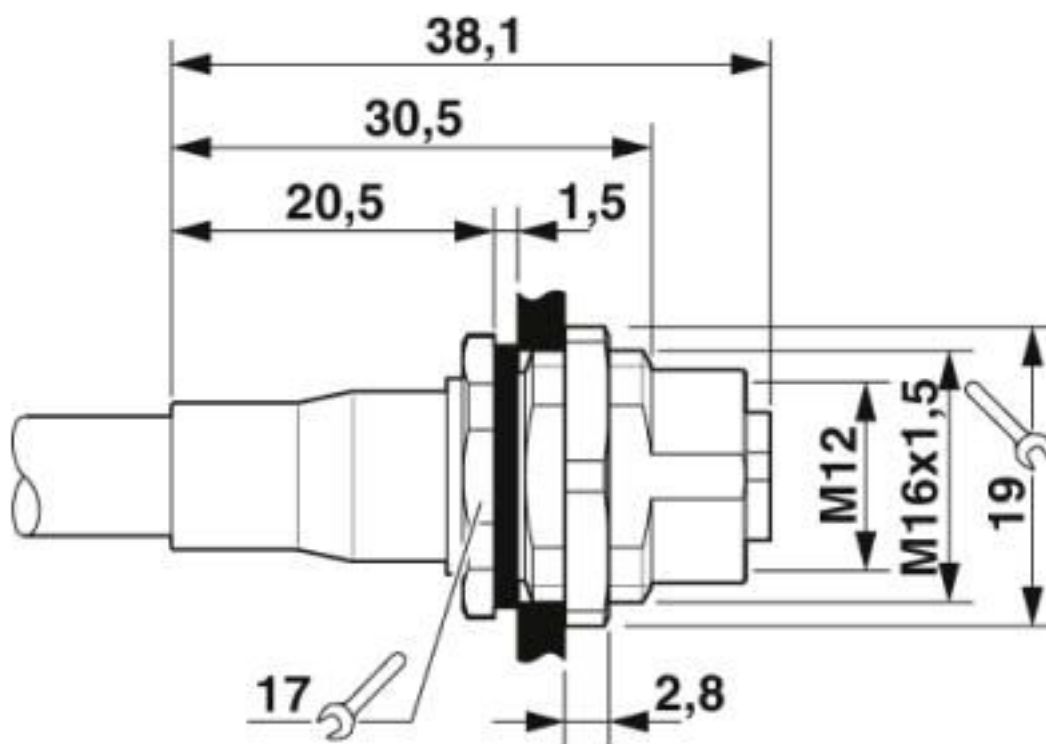
Dimensional drawing



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

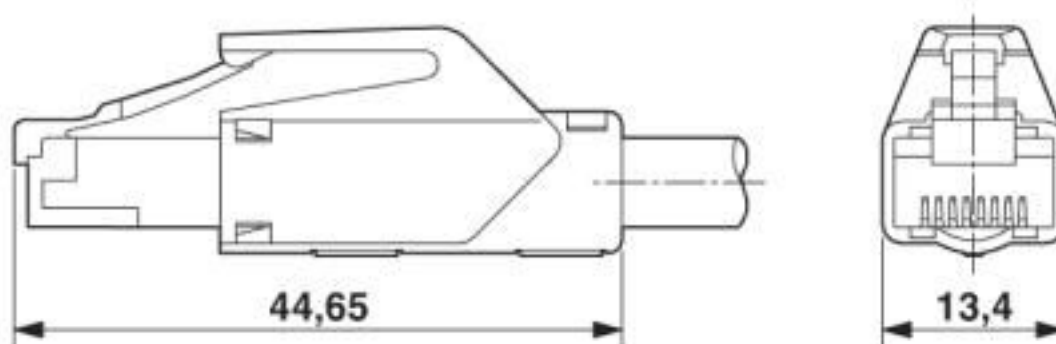
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Dimensional drawing



M12 flush-type connector

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27060308
eCl@ss 11.0	27060308
eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300

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Classifications

eCl@ss

eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27060308
eCl@ss 8.0	27060308
eCl@ss 9.0	27060308

ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC002061
ETIM 5.0	EC002599
ETIM 6.0	EC001262
ETIM 7.0	EC001262

UNSPSC

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	31261501
UNSPSC 13.2	26121604
UNSPSC 18.0	26121604
UNSPSC 19.0	26121604
UNSPSC 20.0	26121604
UNSPSC 21.0	26121604

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		19060508
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