

Network cable - VS-M12FSBPS-IP20-93E-LI/1,0 - 1404206

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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 1 m

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356681483

Technical data

Dimensions

Length of cable	1 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C (cable, fixed installation)
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General data

Number of positions	4
Signal type/category	Ethernet CAT5 (IEC 11801:2002)
Alternative short product description	Ethernet cable
Transmission characteristics (category)	CAT5

Characteristics head 1

Head type	Flush-type socket straight M12 SPEEDCON / IP20
No. of positions (pin connector pattern)	4

Characteristics head 2

Head type	Plug straight RJ45 / IP20
No. of positions (pin connector pattern)	4

Cable

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Technical data

Cable

Cable type	Ethernet
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 short-term/long-term	30N bei Installation / 10N nach 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/1,0 - 1404206

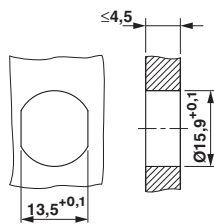
Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

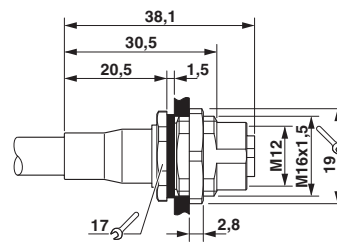
Drawings

Dimensional drawing



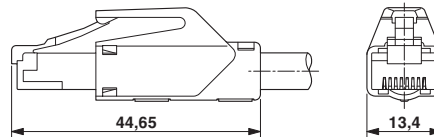
Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Dimensional drawing



M12 flush-type connector

Dimensional drawing



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		B.00767
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