

## 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
Weight per Piece (excluding packing)	82.200 g
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### Dimensions

Length of cable	1 m
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#### General data

Number of positions	4
Signal type/category	Ethernet CAT5 (IEC 11801:2002)

#### 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

Cable type	Ethernet
Cable type (abbreviation)	93E

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### Technical data

#### Cable

Signal type/category	Ethernet CAT5 (IEC 11801:2002)
Cable structure	2x2xAWG26/7 PIMF
Conductor cross section	2x 2x 0.14 mm <sup>2</sup>
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)

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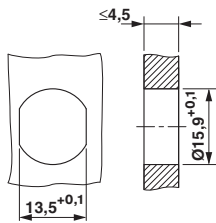
## Technical data

### Cable

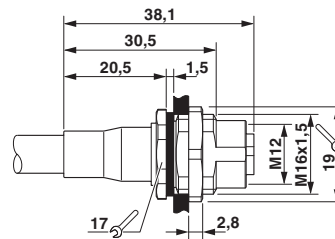
	-10 °C ... 50 °C (cable, flexible installation)
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## Drawings

Dimensional drawing

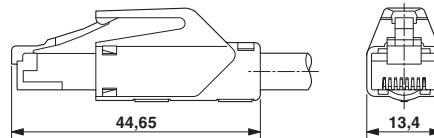


Dimensional drawing



Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation) M12 flush-type connector

Dimensional drawing



## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27060307
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27060308
eCl@ss 9.0	27060308

### ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC002061

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### Classifications

#### ETIM

ETIM 5.0	EC002599
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#### UNSPSC

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	31261501
UNSPSC 13.2	26121616

### Approvals

#### Approvals

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#### Approvals

#### EAC

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#### Ex Approvals

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### Approval details

EAC B.00767
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