

## Network cable - VS-M12FSBP-PPC/ME-93E-LI/2,0 - 1406519

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Assembled Ethernet cable, CAT5e, shielded, 2-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), M12 flush-type socket, rear/screw mounting with M16 thread on RJ45 plug/IP67 push-pull metal housing, line, length 2 m



### Key commercial data

Packing unit	1 PCE
GTIN	 4 046356 476133
Custom tariff number	85444210
Country of origin	POLAND

### Technical data

#### Mechanical characteristics

Number of positions	4
Number of slots	1
Shielded	Yes
Insertion/withdrawal cycles	≥ 100
Cable diameter	6.70 mm
Cable exit	Straight
Cable structure	2x2xAWG26/7; SF/UTP
Smallest bending radius, fixed installation	33.5 mm (cable, fixed installation)
Smallest bending radius, movable installation	33.5 mm (cable, flexible installation)
Length of cable	2 m
Ambient temperature (operation)	-25 °C ... 60 °C (cable, fixed installation)
	-5 °C ... 60 °C (cable, flexible installation)

#### Ambient conditions

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

#### Ambient conditions

	-5 °C ... 60 °C (cable, flexible installation)
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#### Material data

Inflammability class according to UL 94	V2
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021

#### Electrical characteristics

Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
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#### Line characteristics

Cable type	Ethernet
Cable structure	2x2xAWG26/7; SF/UTP
Conductor cross section	0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	1 mm
External cable diameter	5.90 mm
Wire colors	white/orange-orange, white/green-green
External sheath, color	water blue RAL 5021
Insulation resistance	≥ 5 GΩ*km
Conductor resistance	≤ 284 Ω/km
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
Working capacitance	48 nF (At 800 Hz)
Wave impedance	100 Ω ±15% (At 1 to 100 MHz)
Nominal voltage, cable	125 V
Test voltage Core/Core	1000 V
Test voltage Core/Shield	500 V
Twisted pairs	2 cores to the pair
Overall twist	Two pairs with two fillers to the core
Shielding	Plastic-coated aluminum foil, tinned copper braided shield
Optical shield covering	85 %
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Smallest bending radius, fixed installation	30 mm (cable, fixed installation)
Smallest bending radius, movable installation	78 mm (cable, flexible installation)

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## Classifications

### ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC002599
ETIM 5.0	EC000830

### UNSPSC

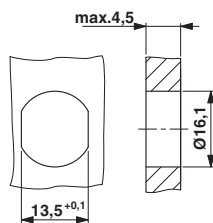
UNSPSC 11	26121604
UNSPSC 12.01	31261501
UNSPSC 13.2	26121616
UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616

### 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	27061801

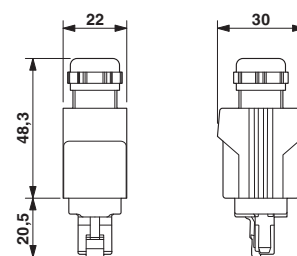
## Drawings

Dimensioned drawing



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

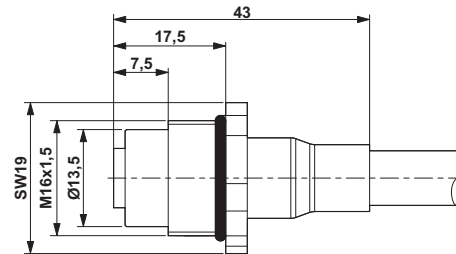
Dimensioned drawing



Push-pull RJ45 connector IP65/67

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Dimensioned drawing



M12 flush-type connector