

## Network cable - VS-M12FSBP-PPC/PL-94C-LI/2,0 - 1413683

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Assembled Ethernet cable, shielded, 4-pair, AWG 26 suitable for use with drag chain (19-wire), RAL 5021 (sea blue), M12 flush-type socket, rear wall/screw mounting with M16 thread on RJ45 connector/IP67 push-pull plastic housing, line, length 2 m



### Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	222.22 GRM
Custom tariff number	85444210
Country of origin	Germany

### Technical data

#### Mechanical characteristics

Number of positions	8
Shielded	Yes
Insertion/withdrawal cycles	≥ 100
Cable diameter	7.70 mm
Cable exit	Straight
Cable structure	4x2xAWG26/19; S-UTP
Length of cable	2 m

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

#### Material data

Inflammability class according to UL 94	V2
Outer sheath, material	PUR

#### Line characteristics

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### Technical data

#### Line characteristics

Cable type	Ethernet
Cable structure	4x2xAWG26/19; S-UTP
Conductor cross section	4x 2x 0.16 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	19x 0.10 mm
Core diameter including insulation	max. 1 mm
External cable diameter	7.7 mm
Wire colors	White-blue, white-orange, white-green, white-brown
External sheath, color	water blue RAL 5021
Transmission medium	Copper
Insulation resistance	min. 0.5 GΩ*km
Conductor resistance	max. 125 Ω/km
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
Working capacitance	57 nF
Wave impedance	100 Ω ± 5 Ω (At 100 MHz)
Nominal voltage, cable	125 V
Test voltage Core/Core	1000 V
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Shielding	Tinned copper braided shield
Outer sheath, material	PUR
Material, inner sheath	Elastomer
Material conductor insulation	Teflon
Conductor material	Bare Cu litz wires
Cable weight	70 kg/km
Smallest bending radius, fixed installation	39 mm (cable, fixed installation)
Smallest bending radius, movable installation	39 mm (cable, flexible installation)
Max. bending cycles	5000000
Bending radius	57.8 mm
Traversing path	1.8 m
Traversing rate	3 m/s
Acceleration	9 m/s <sup>2</sup>
Flame resistance	IEC 60332-2-2
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Hydrolysis resistance as per DIN 53504
	resistant to welding splash in accordance with DIN VDE 0282
Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation)

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## Technical data

### Line characteristics

	0 °C ... 50 °C (cable, flexible installation)
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## 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	27060390
eCl@ss 7.0	27060390
eCl@ss 8.0	27060390

### ETIM

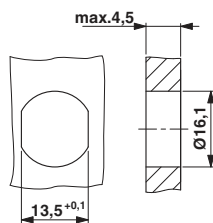
ETIM 3.0	EC000830
ETIM 4.0	EC002599
ETIM 5.0	EC000830

### UNSPSC

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

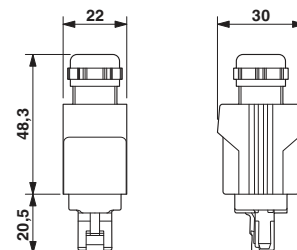
## Drawings

Dimensioned drawing



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

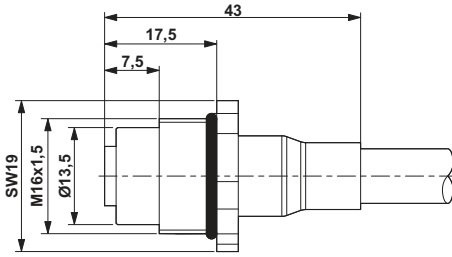
Dimensioned drawing



Push-pull RJ45 connector IP65/67

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Dimensioned drawing



M12 flush-type connector

Circuit diagram

