

# Network cable - VS-M12MS-IP20-94B-LI/3,0 - 1403492

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Assembled Ethernet cable, shielded, 4-pair, 26 AWG stranded (7-wire), RAL 5021 (water blue), M12 plug to RJ45 plug/IP20, line, length 3 m

## Ethernet

### Key commercial data

package_quantity	1
GTIN	4046356656122

### Technical data

#### Mechanical characteristics

Number of positions	8
Insertion/withdrawal cycles	≥ 100
Cable exit	Straight
Length of cable	3 m

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C (cable, fixed installation)
Ambient temperature (operation)	-5 °C ... 60 °C (cable, flexible installation)

#### Material data

Inflammability class according to UL 94	HB
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#### Line characteristics

Cable type	Ethernet
Cable structure	4x2xAWG26/7; S/FTP
Conductor cross section	4x 2x 0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	1.04 mm
Thickness, insulation	0.28 mm (signal line)
Thickness, insulation	0.65 mm (Outer cable sheath)
External cable diameter	6.4 mm ± 0.2 mm
Wire colors	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
External sheath, color	water blue RAL 5021
Transmission medium	Copper

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## Technical data

### Line characteristics

<b>Insulation resistance</b>	≥ 500 MΩ*km (at 20 °C)
<b>Conductor resistance</b>	≤ 290 Ω/km (at 20 °C)
<b>Transmission characteristics (category)</b>	CAT6 <sub>A</sub>
<b>Wave impedance</b>	100 Ω ± 5 Ω (At 100 MHz)
<b>Signal runtime</b>	5.3 ns/m
<b>Shield attenuation</b>	≥ 80 dB (at 30 ... 100 MHz)
<b>Nominal voltage, cable</b>	≤ 100 V (at 20 °C)
<b>Test voltage Core/Core</b>	700 V (50 Hz, 1 min.)
<b>Test voltage Core/Shield</b>	700 V (50 Hz, 1 min.)
<b>Twisted pairs</b>	2 cores to the pair
<b>Type of pair shielding</b>	Aluminum-lined polyester foil
<b>Overall twist</b>	4 pairs
<b>Shielding</b>	Tinned copper braided shield
<b>Optical shield covering</b>	70 %
<b>Outer sheath, material</b>	PUR
<b>Material conductor insulation</b>	PE
<b>Conductor material</b>	Bare Cu litz wires
<b>Cable weight</b>	43 kg/km
<b>Smallest bending radius, fixed installation</b>	25.6 mm
<b>Smallest bending radius, movable installation</b>	51.2 mm
<b>Tensile strength short-term/long-term</b>	≤ 100 N
<b>Flame resistance</b>	IEC 60332-1-2
<b>Halogen-free</b>	According to IEC 60754-1
<b>Resistance to oil</b>	in accordance with DIN EN 60811-2-1
<b>Ambient temperature (operation)</b>	-40 °C ... 70 °C (cable, fixed installation)
<b>Ambient temperature (operation)</b>	-10 °C ... 50 °C (cable, flexible installation)

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27060306
<b>eCl@ss 4.1</b>	27060306
<b>eCl@ss 5.0</b>	27061801
<b>eCl@ss 5.1</b>	27061801
<b>eCl@ss 6.0</b>	27060390
<b>eCl@ss 7.0</b>	27060390
<b>eCl@ss 8.0</b>	27060390

### ETIM

<b>ETIM 3.0</b>	EC000830
<b>ETIM 4.0</b>	EC002061
<b>ETIM 5.0</b>	EC000830

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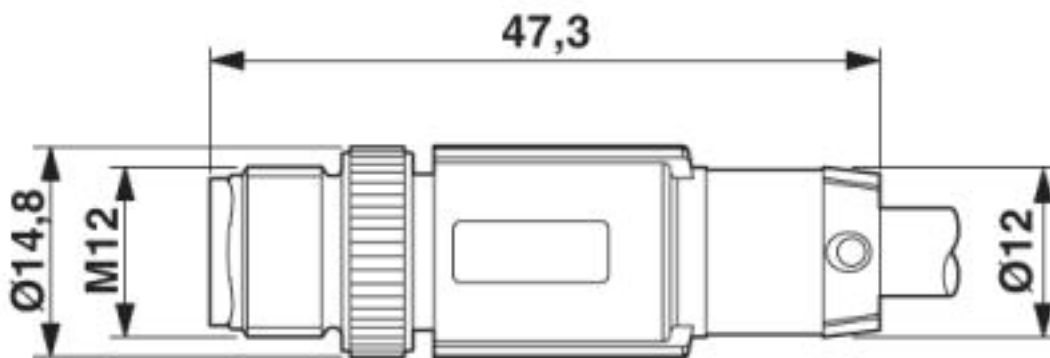
## classifications

### UNSPSC

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

## Drawings

### Dimensioned drawing



Plug, M12 x 1, straight, shielded

### Dimensioned drawing

