

## Network cable - VS-M12MS-OE-94C-LI/2,0 - 1412794

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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 male plug on free cable end, line, length 2 m



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 1       |
| Weight per Piece (excluding packing) | 180.0 GRM |
| Custom tariff number                 | 85444210  |
| Country of origin                    | Poland    |

### 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) |
| Degree of protection            | IP65/IP67/IP69K                               |

#### Material data

|                                         |     |
|-----------------------------------------|-----|
| Inflammability class according to UL 94 | HB  |
| Outer sheath, material                  | PUR |

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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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#### Line characteristics

|  |                                               |
|--|-----------------------------------------------|
|  | 0 °C ... 50 °C (cable, flexible installation) |
|--|-----------------------------------------------|

### 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

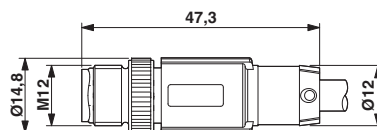
|          |          |
|----------|----------|
| ETIM 3.0 | EC000830 |
| ETIM 4.0 | EC002599 |
| ETIM 5.0 | EC000830 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 31261501 |

### Drawings

Dimensioned drawing



Plug, M12 x 1, straight, shielded

