

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


Order No.: 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**

| Commercial data        |   |
|------------------------|---|
| EAN                    | 4  046356 656122 |
| sales group            | D514  |
| Pack                   | 1 Pcs.  |
| Customs tariff         | 85444210  |
| Gross weight in pieces | 0.1721 KG   |
| Net weight per piece   | 0.1597 KG   |

#### Product notes

WEEE/RoHS-compliant since:  
03/15/2011



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

**Material data**

|   |    |
|---|----|
| Inflammability class according to UL 94 | HB |
|---|----|

**Line characteristics**

|                                    |  |
|------------------------------------|--|
| Cable type                         | Ethernet, flexible, CAT5e  |
| Cable abbreviation                 | 02YS(ST)C11Y   |
| UL AWM style                       | 20963 (80°C/30 V)  |
| Cable structure                    | 4x2xAWG26/7; SF/UTP  |
| 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 | 0.96 mm  |
| External cable diameter            | 6.4 mm ±0.2 mm   |
| Wire colors                        | white/blue-blue, white/orange-orange, white/green-green, white/<br>brown-brown |
| External sheath, color             | water blue RAL 5021  |
| Transmission medium                | Copper   |
| Insulation resistance              | ≥ 500 MΩ*km  |
| Conductor resistance               | ≤ 290 Ω/km   |
| Wave impedance                     | 100 Ω ±5 Ω (at 100 MHz)  |
| Signal runtime                     | 5.3 ns/m   |
| Coupling resistance                | ≤ 100.00 mΩ/m (At 10 MHz)  |
| Nominal voltage, cable             | ≤ 100 V  |
| Test voltage Core/Core             | 700 V (50 Hz, 1 min.)  |
| Test voltage Core/Shield           | 700 V (50 Hz, 1 min.)  |
| Twisted pairs                      | 2 cores to the pair  |
| Overall twist                      | 4 pairs for core   |
| Shielding                          | Aluminum-coated foil, tinned copper braided shield                             |
| Optical shield covering            | 70 %   |
| Outer sheath, material             | PUR  |
| Material conductor insulation      | Foamed PE  |
| Conductor material                 | Bare Cu litz wires   |
| Cable weight                       | 47 kg/km   |

|   |   |
|---|---|
| Minimum bending radius, fixed installation    | 4 x D   |
| Minimum bending radius, flexible installation | 8 x D   |
| Tensile strength short-term/long-term         | ≤ 100 N   |
| Flame resistance                              | According to IEC 60332-1-2  |
| Halogen-free                                  | According to IEC 60754-1  |
| Resistance to oil                             | according to EN 60811-2-1   |
| Ambient temperature (operation)               | -40 °C ... 80 °C (cable, fixed installation)<br>-20 °C ... 80 °C (cable, flexible installation) |

### Certificates / Approvals

Certification

Certifications applied for:

Certification Ex:

### Drawings

Dimensioned drawing



Plug, M12 x 1, straight, shielded

Schematic diagram

Ethernet, flexible, CAT5e [94B]



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