

## VS-MSD-MSD-93E/10,0

Order No.: 1403517



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Assembled Ethernet cable, CAT5e, shielded, 2-pair, AWG 26 stranded (7-wire), RAL 5021 (sea blue), M12 plug to M12 plug, line, length 10 m

### Commercial data

|                        |                 |
|------------------------|-----------------|
| EAN                    | 4 046356 656238 |
| sales group            | D514            |
| Pack                   | 1 Pcs.          |
| Customs tariff         | 85444290        |
| Gross weight in pieces | 0.4631 KG       |
| Net weight per piece   | 0.4631 KG       |

### Product notes

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



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### Technical data

#### Dimensions

|                 |      |
|-----------------|------|
| Length of cable | 10 m |
|-----------------|------|

#### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP65 |
|                      | IP67 |

#### General

|                             |                                                                  |
|-----------------------------|------------------------------------------------------------------|
| Rated current at 40°C       | 4 A                                                              |
| Rated voltage               | 60 V                                                             |
| Number of positions         | 4                                                                |
| Signal type/category        | Ethernet CAT5 (IEC 11801:2002)<br>Ethernet CAT5e (TIA 568B:2001) |
| Surge voltage category      | II                                                               |
| Pollution degree            | 3                                                                |
| Insertion/withdrawal cycles | ≥ 100                                                            |

#### Material

|                                         |    |
|-----------------------------------------|----|
| Inflammability class according to UL 94 | V0 |
|-----------------------------------------|----|

#### Cable

|                                               |                                                            |
|-----------------------------------------------|------------------------------------------------------------|
| Cable type                                    | Ethernet                                                   |
| Cable type (abbreviation)                     | 93E                                                        |
| 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                                                       |
| Wire colors                                   | white/orange-orange, white/green-green                     |
| 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 %                                                       |
| External sheath, color                        | water blue RAL 5021                                        |
| External cable diameter                       | 5.90 mm                                                    |
| Smallest bending radius, fixed installation   | 30 mm (cable, fixed installation)                          |
| Smallest bending radius, movable installation | 78 mm (cable, flexible installation)                       |
| Outer sheath, material                        | PUR                                                        |
| Conductor material                            | Bare Cu litz wires                                         |
| 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 $\Omega$ $\pm$ 15 % (at 1 ... 100 MHz) |
| Nominal voltage, cable   | 125 V                                      |
| Test voltage Core/Core   | 1000 V                                     |
| Test voltage Core/Shield | 500 V                                      |

Certificates / Approvals



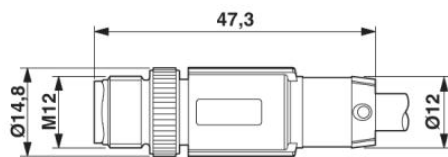
Certification GOST

Certifications applied for:

Certification Ex:

Drawings

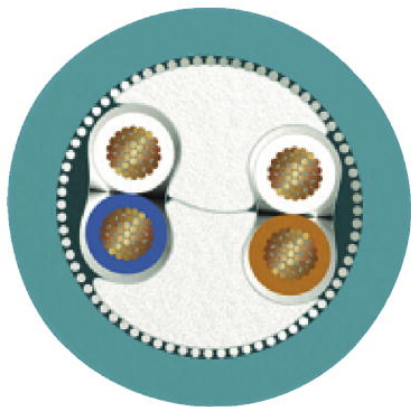
Dimensioned drawing



Plug, M12 x 1, straight, shielded

Schematic diagram

Ethernet [93E]



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