

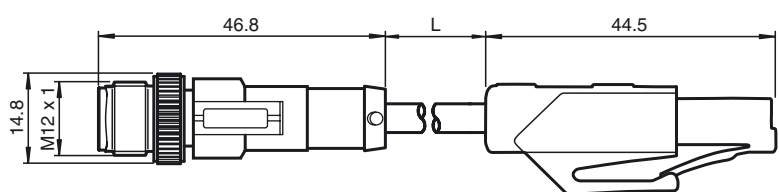
**Model Number**

**V1SD-G-3M-PUR-ABG-V45-G**  
 Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

**Features**

- D coding for Ethernet
- Hard-wearing PUR cable
- CAT5/CAT5e cable
- Halogen-free
- Completely silicon free

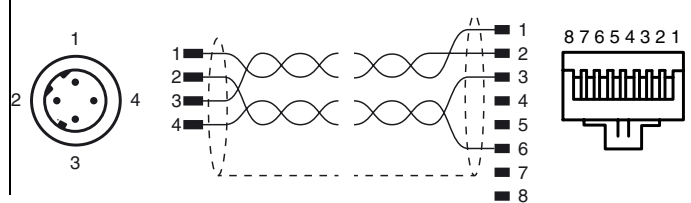
**Dimensions**



**Technical data**

| General specifications                   |       |  |
|--|-------|--|
| Number of pins                           |       | 4  |
| Connection 1                             |       | Male connector   |
| Construction type 1                      |       | straight   |
| Threading 1                              |       | M12  |
| Connection 2                             |       | Male connector   |
| Construction type 2                      |       | straight   |
| Threading 2                              |       | RJ-45  |
| Electrical specifications                |       |  |
| Operating voltage                        | $U_B$ | max. 48 V AC / 60 V DC   |
| Operating current                        | $I_B$ | max. 4 A   |
| Volume resistance                        |       | 150 mΩ/m   |
| Ambient conditions                       |       |  |
| Ambient temperature                      |       | -20 ... 60 °C (-4 ... 140 °F) , stationary<br>0 ... 50 °C (32 ... 122 °F) , moving |
| Mechanical specifications                |       |  |
| Degree of protection                     |       | IP67 / IP20  |
| Connection                               |       | M12 x 1 connector, 4-pin, D-coded<br>RJ-45 Category 5 , up to 100 MHz              |
| Material                                 |       |  |
| Contacts                                 |       | CuSn   |
| Contact surface                          |       | Ni/Au  |
| Body                                     |       | TPU, black / PA  |
| Cable                                    |       | PUR  |
| Core insulation                          |       | PE   |
| Cable                                    |       | 2 pairs with 2 wires each with 2 fillers for the core                              |
| Sheath diameter                          |       | 6.7 mm   |
| Bending radius                           |       | > 35 mm  |
| Color                                    |       | water blue (RAL 5021)  |
| Number of cores                          |       | 4  |
| Core cross-section                       |       | 0.14 mm <sup>2</sup>   |
| Conductor construction                   |       | 7 x 0.15 mm Ø  |
| Shield                                   |       | aluminum-lined polyester foil<br>Tinned copper braiding, 65 % coverage             |
| Length                                   | L     | 3 m  |
| Compliance with standards and directives |       |  |
| Standard conformity                      |       |  |
| Standards                                |       | CAT5 (IEC 11801:2002) , CAT5e (TIA 568B:2001)                                      |
| Specification                            |       | connector M12 x 1 : IEC 61076-2-101  |

**Electrical connection**



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