



**Model Number**

**V1-WV4A-10M-PP-H1-V1-WV4A**

Cordset, M12 to M12, V4A stainless steel, hygienic design, 4-pin, PP cable

**Features**

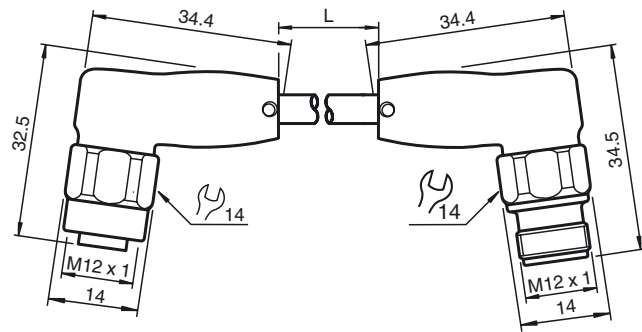
- Suitable for applications involving contact with products in the food and beverage industry
- Certified by ECOLAB
- Resistant to all common acid and alkaline cleaning products and disinfectants
- Degree of protection IP67 / IP68 / IP69
- Suitable for drag chains
- Halogen-free (PVC-free)
- Materials used compliant with FDA
- Hygienic design in accordance with EHEDG

**Accessories**

**MH V1-SCREWDRIVER**  
torque screwdriver (0.6 Nm)

**MH V1-BIT M12-W14-HEX**  
Plug-in attachment for M12 with hex stainless steel knurled nut

**Dimensions**



**Technical data**

**General specifications**

|                     |                |
|---------------------|----------------|
| Number of pins      | 4              |
| Connection 1        | socket         |
| Construction type 1 | right angle    |
| Threading 1         | M12            |
| Connection 2        | Male connector |
| Construction type 2 | right angle    |
| Threading 2         | M12            |

**Electrical specifications**

|                   |       |                  |
|-------------------|-------|------------------|
| Operating voltage | $U_B$ | max. 250 V AC/DC |
| Operating current | $I_B$ | max. 4 A         |

**Ambient conditions**

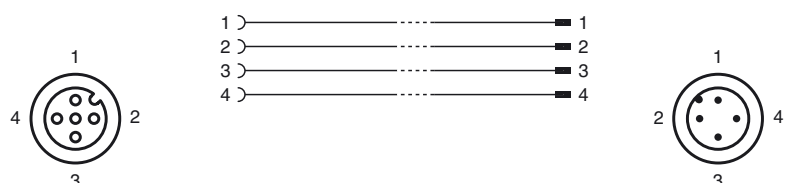
|                     |  |
|---------------------|--|
| Ambient temperature | cable, flexing: -25 ... 105 °C (-13 ... 221 °F)<br>cable, fixed: -40 ... 105 °C (-40 ... 221 °F) |
| Pollution degree    | 3  |

**Mechanical specifications**

|                        |  |
|------------------------|--|
| Contact elements       | spring-loaded contact socket   |
| Pin diameter           | 1 mm   |
| Degree of protection   | IP67 / IP68 / IP69   |
| Material               |  |
| Contacts               | CuSn   |
| Contact surface        | Ni/Au  |
| Body                   | PP   |
| Cable                  | PP-EPDM  |
| Slotted nut            | stainless steel V4A  |
| Seal                   | FKM  |
| Core insulation        | PP   |
| Temperature resistance | Cold bending-resistant and cold impact-resistant up to -40 °C (-40 °F) |

|                        |  |
|------------------------|--|
| Cable                  | extra-fine wire, flexible                                    |
| Sheath diameter        | Ø 4.7 mm   |
| Bending radius         | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed |
| Color                  | grey   |
| Cores                  | 4 x 0.34 mm <sup>2</sup>                                     |
| Conductor construction | 42 x 0.1 mm Ø  |
| Length                 | L 10 m   |
| Drag chain suitability |  |
| Drag chain cycles      | ≥ 4000000  |
| Motion velocity        | ≤ 3 m/s  |
| Traverse distance      | 10 m   |
| Acceleration           | ≤ 10 m/s <sup>2</sup>  |
| Torsion cycles         | ≥ 4000000  |
| Torsional stress       | ± 270 °/m  |

**Electrical connection**



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|   |  |
|---|--|
| Tightening torque, cable gland                  | 0.4 ... 0.6 Nm                                       |
| Mating cycles                                   | ≥ 100  |
| <b>Compliance with standards and directives</b> |  |
| Standard conformity                             |  |
| Degree of protection                            | EN 60529   |
| Standards                                       | IEC 61076-2-101                                      |
| Halogen-free                                    | IEC 60754-1  |
| Temperature resistance                          | DIN EN 60811-1-4                                     |
| Material  | FDA-compliant in accordance with FDA 21 CFR 177.2600 |

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