

**SAIL-M12W-4-10T****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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www.weidmueller.com



Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

**General ordering data**

|            |                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | SAIL-M12W-4-10T                                                                                                                                         |
| Order No.  | <a href="#">1021791000</a>                                                                                                                              |
| Version    | Sensor/actuator line, One end without connector, M12, Number of poles : 4, 10 m, pin, 90&deg;, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248735600                                                                                                                                           |
| Qty.       | 1 pc(s).                                                                                                                                                |

Creation date April 13, 2020 5:00:50 AM CEST

Catalogue status 03.04.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |       |
|------------|-------|
| Net weight | 350 g |
|------------|-------|

**Temperatures**

|                             |       |                             |        |
|-----------------------------|-------|-----------------------------|--------|
| Operating temperature, max. | 80 °C | Operating temperature, min. | -25 °C |
|-----------------------------|-------|-----------------------------|--------|

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Technical specifications for cable**

|                                                |                           |                                  |                      |
|------------------------------------------------|---------------------------|----------------------------------|----------------------|
| Number of poles                                | 4                         | Core cross-section               | 0.34 mm <sup>2</sup> |
| Outside diameter                               | 4.9 mm ± 0.2 mm           | Cable length                     | 10 m                 |
| Shielded                                       | No                        | Insulation                       | PP                   |
| Colour coding                                  | brown, white, blue, black | Sheath material                  | PUR                  |
| Sheathing colour                               | black                     | Halogen                          | No                   |
| Temperature range, moving                      | -30...105 °C              | Temperature range, stationary    | -40...105 °C         |
| Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V)     | Suitable for cable carriers      | Yes                  |
| Torsion resistance                             | 360 °/m                   | Bending radius, min., stationary | 4 x cable diameter   |
| Bending radius, min., moving                   | 7.5 x cable diameter      | Acceleration                     | 5 m/s <sup>2</sup>   |
| Speed                                          | 200 m/min                 | Bending cycles                   | 10 Mio               |
| Resistant to welding beads                     | Yes                       | Configurable cable length        | No                   |

**General technical data**

|                              |                                         |                       |                   |
|------------------------------|-----------------------------------------|-----------------------|-------------------|
| AF size                      | 12 mm                                   | Version               | pin, 90&deg;      |
| Connection thread            | M12                                     | Housing main material | PUR               |
| Threaded ring material       | Diecast zinc                            | Coding                | A                 |
| Protection degree            | IP65, IP66, IP67, IP68, when screwed in | Contact surface       | Gold-plated       |
| LED                          | No                                      | Rated voltage         | 250 V             |
| Rated current                | 4 A                                     | Insulation strength   | 10 <sup>8</sup> Ω |
| Temperature range of housing | -25...+80 °C                            | Tightening torque     | M12: 0.8 - 1.2 Nm |
| Plugging cycles              | ≥ 100                                   | Pollution severity    | 3                 |
| jumpered                     | No                                      |                       |                   |

**Standards**

|                    |                 |                         |         |
|--------------------|-----------------|-------------------------|---------|
| Connector standard | IEC 61076-2-101 | Certificate no. (cULus) | E307231 |
|--------------------|-----------------|-------------------------|---------|

**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0   | EC001855    |
| eClass 9.0  | 27-06-03-11 | eClass 9.1 | 27-06-03-11 |
| eClass 10.0 | 27-06-03-11 | UNSPSC     | 30-21-18-01 |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

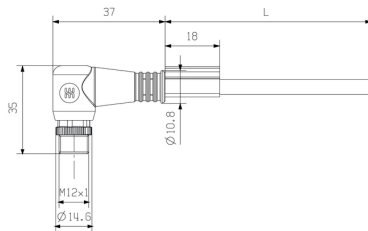
|                             |                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brochure/Catalogue          | <a href="#">FL FIELDWIRING EN</a>                                                                                                                           |
| Engineering Data            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                |
| Product Change Notification | <a href="#">DE - Technische Änderung zu M12 Gewinding mit 6-Kant</a><br><a href="#">EN - Technical change to M12 nut with additional hexagonal mounting</a> |

## SAIL-M12W-4-10T

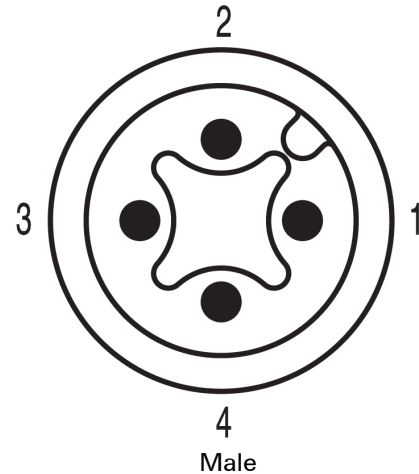
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# Drawings

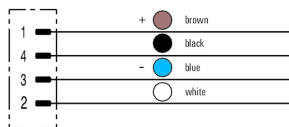
## Dimensioned drawing



## Pole scheme



## Wiring diagram



## The ideal tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F