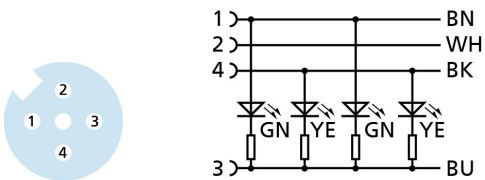
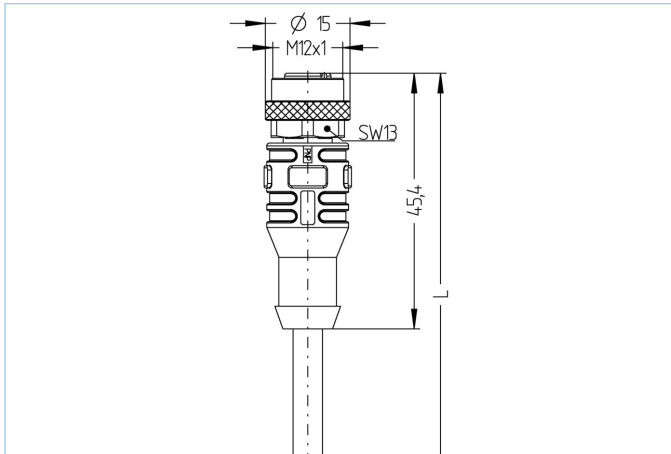


## M12, female, straight, 4 poles, with LED, sensor-/actuator cable



### Product data

|                    |                   |
|--------------------|-------------------|
| Item description   | AL-WAK4P2-2/S7400 |
| Item-No.           | 8058931           |
| Length             | 2m                |
| Customs tariff-No. | 85444290          |
| Step-File          | AL-WAK4P2.stp     |
| EAN                | 4047106144548     |

### Technical data

|                                |                                 |
|--------------------------------|---------------------------------|
| Connector                      | female, straight, M12, with LED |
| Number of pins                 | 4                               |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK          |
| Coding                         | A                               |
| Rated voltage                  | 30V                             |
| Current load per pin (at 40°C) | 4A                              |
| Insulation resistance          | $\geq 10^9 \Omega$              |
| Resistance                     | $\leq 5 m\Omega$                |
| Ambient temperature product    | -30°C...+90°C                   |
| Circuit logic                  | pnp                             |
| Signal status-indicator        | LED YE                          |
| Operating voltage-indicator    | LED GN                          |
| Contact material               | Metal, CuZn, gold-plated        |
| Contact-carrier material       | Plastic, TPU, BK                |
| Grip body material             | Plastic, TPU, transparent       |
| Coupling nut material          | Metal, CuZn, nickel-plated      |
| Sealing (female) material      | FPM/FKM                         |

|                                |                    |
|--------------------------------|--------------------|
| Standards                      | IEC 61076-2-101    |
| Degree of protection (mounted) | IP65, IP67, IP68   |
| Mechanical life-cycle          | >100 mating cycles |
| Cable end assembly             | open cable end     |
| Degree of pollution            | 3                  |
| Style                          | straight           |

|                  |                                |
|------------------|--------------------------------|
| <b>Cable web</b> | <b>PUR, UL, S7400, robotic</b> |
|------------------|--------------------------------|

Flexible, silicone- and halogen free control cable with high mechanical strength. Due to its outstanding properties in drag-chain adaption, torsionresistance and weld-field immunity, it is very well suited for the flexible applications in robotics, handling- and assembly technology as well as machine tools. The cable meets the UL and CSA (UL10493/20549; cULus) requirements.

|                                |  |
|--------------------------------|--|
| Outer diameter of jacket       | 5.20 mm  |
| Cable-jacket material          | PUR  |
| Jacket color                   | OG, similar RAL2003  |
| Wire cross-section             | 4 x 0.34 mm <sup>2</sup>   |
| Wire insulation material       | PP   |
| Wire colors                    | BN, WH, BU, BK   |
| Wire structure                 | 42 x 0.10 mm   |
| Bending radius (fixed)         | 5 x Ø-cable  |
| Bending radius (repeated)      | 10 x Ø-cable   |
| Temperature range (repeated)   | -30°C...+90°C  |
| Temperature range (fixed)      | -40°C...+90°C  |
| Temperature range (drag chain) | -25°C...+60°C  |
| Drag chain-application         | ≥ 10 Mio. cycles   |
| Halogen-free                   | Yes  |
| Torsion                        | +/-360°/m, ≥ 10 Mio. cycles  |
| Rated voltage cable            | ≤300 V   |
| Special features               | flame retardant, halogen free, hydrolysis proof, LABS free, oil resistant, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, welding sparks resistant, seawater resistant, silicone free, torsion resistant, UV resistant |

|                       |  |
|-----------------------|--|
| <b>Classification</b> |  |
|-----------------------|--|

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| ETIM 5.0   | EC001855 |
| ETIM 6.0   | EC001855 |

|                    |  |
|--------------------|--|
| <b>Accessories</b> |  |
|--------------------|--|

|  |  |
|--|--|
| Mounting-clip, M12<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660">https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660</a>  |  |
| Torque-wrench set<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431">https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431</a>   |  |
| Marking rings Ø 9mm<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=809">https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=809</a> |  |
| Screw plug, M12<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=812">https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=812</a>     |  |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215">https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215</a>  |  |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216">https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216</a>  |  |

|                        |  |
|------------------------|--|
| <b>Link to product</b> |  |
|------------------------|--|

<https://www.escha.net/en/products/standard/sensoractuator-connectors/8058931>