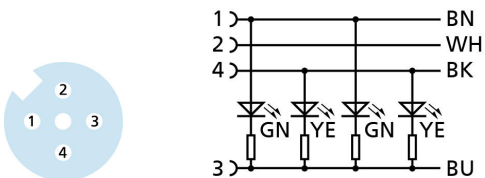
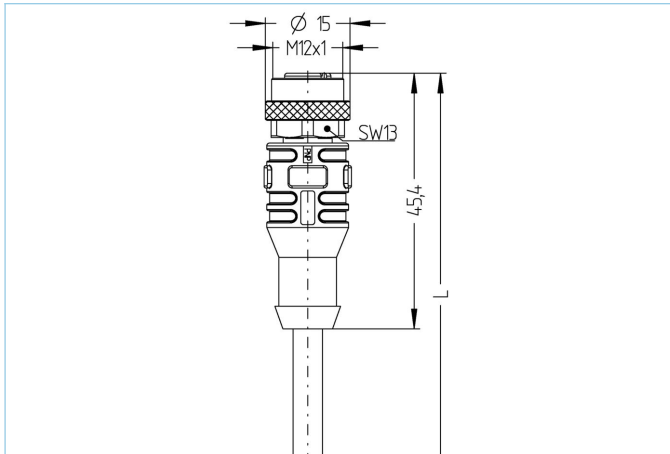


## Single-ended cordset, Automation Line, M12



### Product data

|                    |                    |
|--------------------|--------------------|
| Item description   | AL-WAK4P2-10/P01BK |
| Item-No.           | 8082027            |
| Length             | 10m                |
| Customs tariff-No. | 85444290           |
| Step-File          | AL-WAK4P2.stp      |
| EAN                | 4047106234591      |

### 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 (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, CuSn, 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                  |

|              |                       |
|--------------|-----------------------|
| <b>Cable</b> | <b>PVC, P01BK, UL</b> |
|--------------|-----------------------|

PVC-cable for measurement and control-, and sensor technology. Suitable for applications in dry areas on packaging machines, assembly- and conveyor technology. High flexibility with unstressed movement (conditional drag-chain application possible). Predestined for applications in food- and beverage industry.

|                              |                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket     | 4,90 mm                                                                                                              |
| Cable-jacket material        | PVC                                                                                                                  |
| Jacket color                 | BK, similar RAL9005                                                                                                  |
| Wire cross-section           | 4 x 0.34 mm <sup>2</sup>                                                                                             |
| Wire insulation material     | PVC                                                                                                                  |
| Wire colors                  | BN, WH, BU, BK                                                                                                       |
| Conductor structure          | 19 x 0.15 mm                                                                                                         |
| Bending radius (fixed)       | 5 x Ø-cable                                                                                                          |
| Bending radius (repeated)    | 10 x Ø-cable                                                                                                         |
| Temperature range (repeated) | 0°C...+80°C                                                                                                          |
| Temperature range (fixed)    | -25°C...+80°C                                                                                                        |
| Rated voltage cable          | ≤300 V                                                                                                               |
| Special features             | seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone 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-set, M12  
<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8047664/Mounting-set-M12-clips-and-screws-M4x8-black>

Torque-wrench set  
<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8055431/Torque-wrench-set-M8-M12>

Marking rings Ø 9mm  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/?p=1&o=3&n=15&f=809>

Cable Stripping Tool  
<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066215/Cable-stripping-tool-4.40-7.00mm-outer-diameter>

Cable Stripping Tool  
<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066216/Cable-stripping-tool-3.20-4.40mm-outer-diameter>