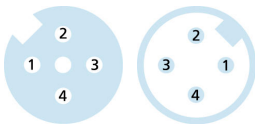
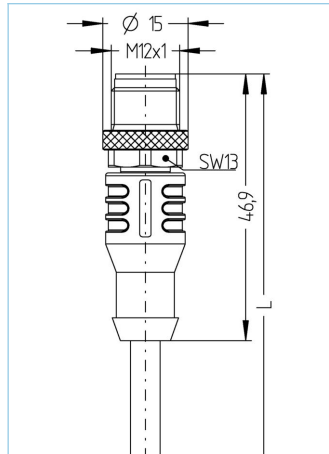
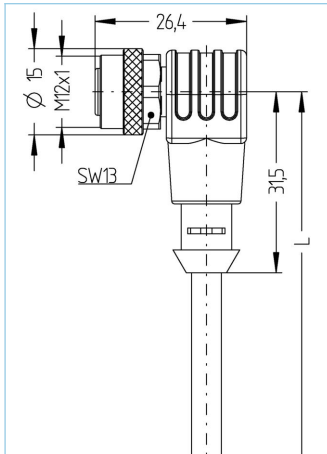


## Double-ended cordset, Automation Line, M12



### Product data

|                    |                          |
|--------------------|--------------------------|
| Item description   | AL-WWAK4-1-AL-WAS4/P01BK |
| Item-No.           | 8081973                  |
| Length             | 1m                       |
| Customs tariff-No. | 85444290                 |
| Step-File          | AL-WWAK4_AL-WAS4.stp     |
| EAN                | 4047106234034            |
| Label-carrier      | 2 pieces                 |

| Technical data                 | A-side                     | B-side                     |
|--------------------------------|----------------------------|----------------------------|
| Connector                      | female, angled, M12        | male, straight, M12        |
| Number of pins                 | 4                          | 4                          |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK     | 1 BN, 2 WH, 3 BU, 4 BK     |
| Coding of                      | A                          | A                          |
| Rated voltage                  | 250V                       | 250V                       |
| Current load (at 40°C)         | 4A                         | 4A                         |
| Insulation resistance          | $\geq 10^9 \Omega$         | $\geq 10^9 \Omega$         |
| Resistance                     | $\leq 5 m\Omega$           | $\leq 5 m\Omega$           |
| Ambient temperature product    | -30°C...+90°C              | -30°C...+90°C              |
| Contact material               | Metal, CuSn, gold-plated   | Metal, CuSn, gold-plated   |
| Contact-carrier material       | Plastic, TPU, BK           | Plastic, TPU, BK           |
| Grip body material             | Plastic, TPU, BK           | Plastic, TPU, BK           |
| Coupling nut material          | Metal, CuZn, nickel-plated | Metal, CuZn, nickel-plated |
| Sealing (female) material      | FPM/FKM                    |                            |
| Standards                      | IEC 61076-2-101            | IEC 61076-2-101            |
| Degree of protection (mounted) | IP65, IP67, IP68           | IP65, IP67, IP68           |
| Mechanical life-cycle          | >100 mating cycles         | >100 mating cycles         |
| Degree of pollution            | 3                          | 3                          |

| Cable                                                                                                                                                                                                                                                                                                                 |  | PVC, P01BK, UL                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|
| 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 |
| Classification                                                                                                                                                                                                                                                                                                        |  |                                                                                                                      |
| 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                                                                                                             |
| Accessories                                                                                                                                                                                                                                                                                                           |  |                                                                                                                      |
| Mounting-set, M12<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8047664/Mounting-set-M12-clips-and-screws-M4x8-black">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8047664/Mounting-set-M12-clips-and-screws-M4x8-black</a>                          |  |                                                                                                                      |
| Torque-wrench set<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8055431/Torque-wrench-set-M8-M12">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8055431/Torque-wrench-set-M8-M12</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>                                                                  |  |                                                                                                                      |