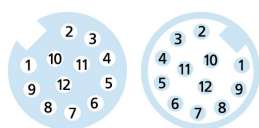
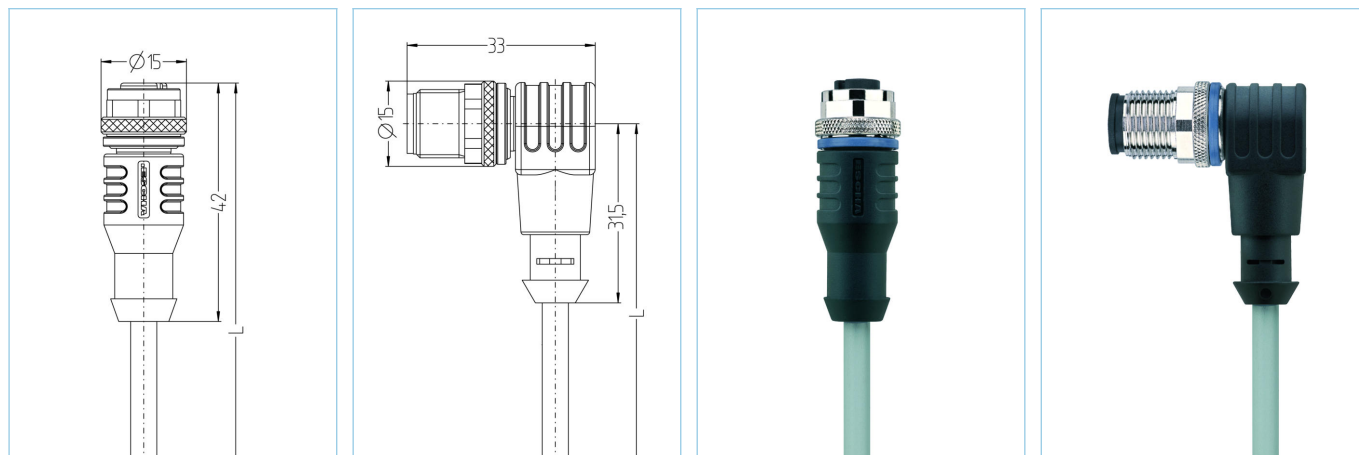


## Double-ended cordset, Automation Line, M12



### Product data

|                    |                          |
|--------------------|--------------------------|
| Item description   | AL-WAK12-1-AL-WWAS12/P00 |
| Item-No.           | 8051525                  |
| Length             | 1m                       |
| Customs tariff-No. | 85444290                 |
| Step-File          | AL-WAK12_AL-WWAS12.stp   |
| EAN                | 4047106022587            |
| Label-carrier      | 2 pieces                 |

| Technical data                 | A-side                                                                        | B-side                                                                        |
|--------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Connector                      | female, straight, M12                                                         | male, angled, M12                                                             |
| Number of pins                 | 12                                                                            | 12                                                                            |
| Pin assignment                 | 1 BN, 2 BU, 3 WH, 4 GN, 5 PK, 6 YE, 7 BK, 8 GY, 9 RD, 10 VT, 11 GYPK, 12 RDBU | 1 BN, 2 BU, 3 WH, 4 GN, 5 PK, 6 YE, 7 BK, 8 GY, 9 RD, 10 VT, 11 GYPK, 12 RDBU |
| Coding of                      | A                                                                             | A                                                                             |
| Rated voltage                  | 30V                                                                           | 30V                                                                           |
| Current load (at 40°C)         | 1.5A                                                                          | 1.5A                                                                          |
| 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, CuZn, gold-plated                                                      | Metal, CuZn, 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, P00, GY                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                              |  | 6,10 mm                                                                                                              |
| Cable-jacket material                                                                                                                                                                                                                                                                                                 |  | PVC                                                                                                                  |
| Jacket color                                                                                                                                                                                                                                                                                                          |  | GY, similar RAL7040                                                                                                  |
| Wire cross-section                                                                                                                                                                                                                                                                                                    |  | 12 x 0.14 mm <sup>2</sup>                                                                                            |
| Wire insulation material                                                                                                                                                                                                                                                                                              |  | PVC                                                                                                                  |
| Wire colors                                                                                                                                                                                                                                                                                                           |  | BN, BU, WH, GN, PK, YE, BK, GY, RD, VT, GYPK, RDBU                                                                   |
| Conductor structure                                                                                                                                                                                                                                                                                                   |  | 18 x 0.10 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>                                                                  |  |                                                                                                                      |