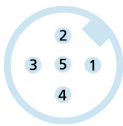
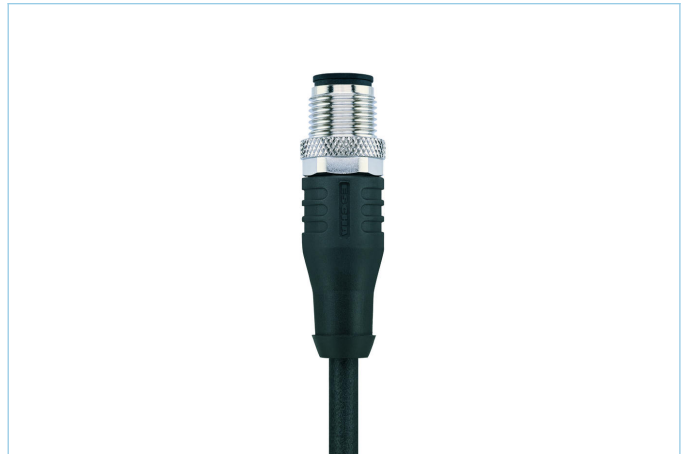
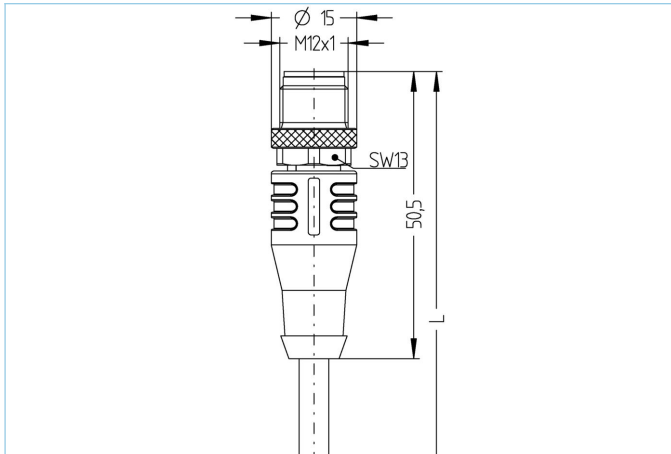


## Single-ended cordset, Automation Line, M12, shielded



### Product data

|                    |                    |
|--------------------|--------------------|
| Item description   | AL-WASS4.5-10/S370 |
| Item-No.           | 8046245            |
| Length             | 10m                |
| Customs tariff-No. | 85444290           |
| Step-File          | AL-WASS4_5.stp     |
| EAN                | 4047106005467      |

### Technical data

|                                |                              |
|--------------------------------|------------------------------|
| Connector                      | male, straight, M12          |
| Number of pins                 | 5                            |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK, 5 GY |
| Coding                         | A                            |
| Rated voltage                  | 60V                          |
| Current load (at 40°C)         | 4A                           |
| Insulation resistance          | $\geq 10^8 \Omega$           |
| Resistance                     | $\leq 5 m\Omega$             |
| Ambient temperature product    | -30°C...+90°C                |
| Contact material               | Metal, CuSn, gold-plated     |
| Contact-carrier material       | Plastic, TPU, BK             |
| Grip body material             | Plastic, TPU, BK             |
| Coupling nut material          | Metal, CuZn, nickel-plated   |
| Shielding                      | with shielding               |
| 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                            |

| Cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | PUR, UL, S370                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flexible, silicone- and halogen-free control cable with high mechanical strength. The cable is chemicals, hydrolysis-, and microbesresistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements. Very good EMC-features with shielded versions. |  |                                                                                                                                                                                                                                                                      |
| Outer diameter of jacket                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 5,60 mm                                                                                                                                                                                                                                                              |
| Cable-jacket material                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | PUR                                                                                                                                                                                                                                                                  |
| Jacket color                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | BK, similar RAL9005                                                                                                                                                                                                                                                  |
| Wire cross-section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 5 x 0.34 mm <sup>2</sup>                                                                                                                                                                                                                                             |
| Wire insulation material                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | PP                                                                                                                                                                                                                                                                   |
| Wire colors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | BN, WH, BU, BK, GY                                                                                                                                                                                                                                                   |
| Conductor structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 42 x 0.10 mm                                                                                                                                                                                                                                                         |
| Bending radius (fixed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 5 x Ø-cable                                                                                                                                                                                                                                                          |
| Bending radius (repeated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 12 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 1 Mio. cycles                                                                                                                                                                                                                                                        |
| Shielding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Yes                                                                                                                                                                                                                                                                  |
| Halogen-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Yes                                                                                                                                                                                                                                                                  |
| Rated voltage cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | ≤300 V                                                                                                                                                                                                                                                               |
| Special features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof, drag chain-adapted, torsion resistant, welding sparks resistant, halogen free, silicone free, oil 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>                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                      |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066215/Cable-stripping-tool-4.40-7.00mm-outer-diameter">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066215/Cable-stripping-tool-4.40-7.00mm-outer-diameter</a>                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                      |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066216/Cable-stripping-tool-3.20-4.40mm-outer-diameter">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066216/Cable-stripping-tool-3.20-4.40mm-outer-diameter</a>                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                      |