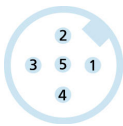
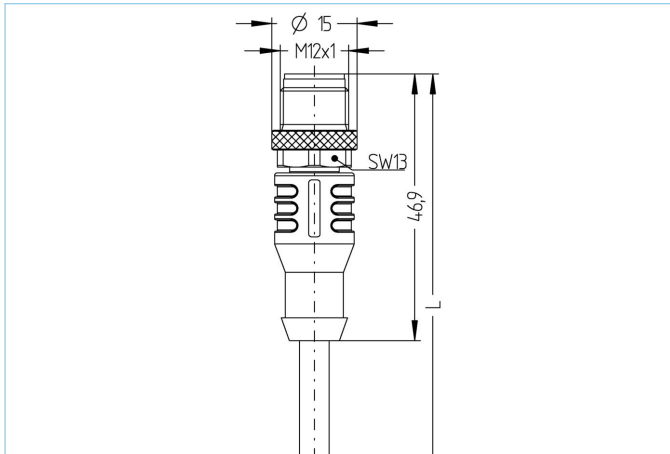


## M12, male, straight, 4+PE, sensor-/actuator cable



### Product data

|                    |                 |
|--------------------|-----------------|
| Item description   | AL-WAS5-5/S7400 |
| Item-No.           | 8058971         |
| Length             | 5m              |
| Customs tariff-No. | 85444290        |
| Step-File          | AL-WAS5.stp     |
| EAN                | 4047106144975   |

### Technical data

|                                |                                |
|--------------------------------|--------------------------------|
| Connector                      | male, straight, M12            |
| Number of pins                 | 4+PE                           |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK, 5 GNYE |
| Coding                         | A                              |
| Rated voltage                  | 60V                            |
| Current load per pin (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     |
| 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                       |

## Cable web

PUR, UL, S7400, robotic

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       | 5.60 mm                                                                                                                                                                                                                                                              |
| Cable-jacket material          | PUR                                                                                                                                                                                                                                                                  |
| Jacket color                   | OG, similar RAL2003                                                                                                                                                                                                                                                  |
| Wire cross-section             | 5 x 0.34 mm <sup>2</sup>                                                                                                                                                                                                                                             |
| Wire insulation material       | PP                                                                                                                                                                                                                                                                   |
| Wire colors                    | BN, WH, BU, BK, GNYE                                                                                                                                                                                                                                                 |
| 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 |

## 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-clip, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660>

### Torque-wrench set

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431>

### Marking rings Ø 9mm

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

### Screw cap, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=811>

### Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215>

### Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216>

## Link to product

<https://www.escha.net/en/products/standard/sensoractuator-connectors/8058971>