

## M12, male, straight, 3 poles, sensor-/actuator cable



### Product data

|                    |                |
|--------------------|----------------|
| Item description   | AL-WAS3-10/P00 |
| Item-No.           | 8051051        |
| Length             | 10m            |
| Customs tariff-No. | 85444290       |
| Step-File          | AL-WAS3.stp    |
| EAN                | 4047106012960  |

### Technical data

|                                |                            |
|--------------------------------|----------------------------|
| Connector                      | male, straight, M12        |
| Number of pins                 | 3                          |
| Pin assignment                 | 1 BN, 3 BU, 4 BK           |
| Coding                         | A                          |
| Rated voltage                  | 250V                       |
| 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** 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     | 4.20 mm  |
| Cable-jacket material        | PVC  |
| Jacket color                 | GY, similar RAL7040  |
| Wire cross-section           | 3 x 0.34 mm <sup>2</sup>   |
| Wire insulation material     | PVC  |
| Wire colors                  | BN, BU, BK   |
| Wire 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             | good resistance against oils and chemicals, LABS free, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, seawater 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/8051051>