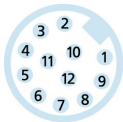


## M12, male, straight, 12 poles, sensor-/actuator cable



### Product data

|                    |                |
|--------------------|----------------|
| Item description   | AL-WAS12-2/P01 |
| Item-No.           | 8051316        |
| Length             | 2m             |
| Customs tariff-No. | 85444290       |
| Step-File          | AL-WAS12-m.stp |
| EAN                | 4047106018269  |

### Technical data

|                                |                                                                               |
|--------------------------------|-------------------------------------------------------------------------------|
| Connector                      | male, straight, M12                                                           |
| Number of pins                 | 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 |
| Coding                         | A                                                                             |
| Rated voltage                  | 30V                                                                           |
| Current load per pin (at 40°C) | 1.5A                                                                          |
| Insulation resistance          | $\geq 10^9 \Omega$                                                            |
| Resistance                     | $\leq 5 m\Omega$                                                              |
| Ambient temperature product    | -30°C...+90°C                                                                 |
| Contact material               | Metal, CuZn, 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, UL, P01, 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                                                                                                               |
| Wire 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             | 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/8051316>