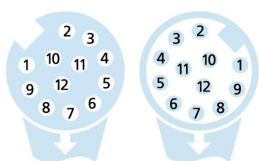
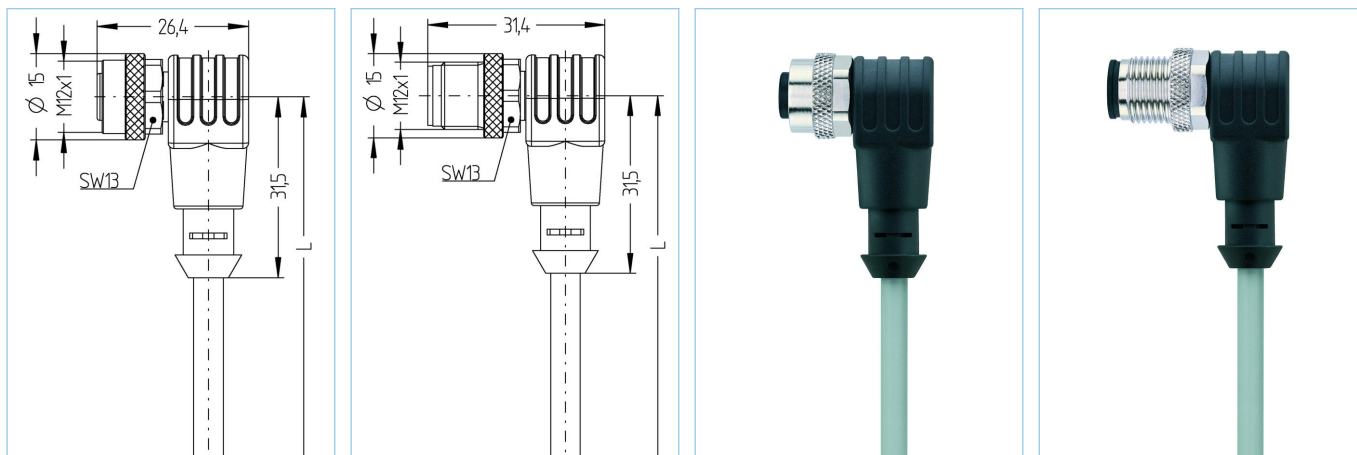


**M12, female, angled, 12 poles, M12, male, angled, 12 poles, sensor/actuator cable**



**Product data**

|                    |                           |
|--------------------|---------------------------|
| Item description   | AL-WWAK12-5-AL-WWAS12/P01 |
| Item-No.           | 8051732                   |
| Length             | 5m                        |
| Customs tariff-No. | 85444290                  |
| Step-File          | AL-WWAK12-m-AL-WWAS12.stp |
| EAN                | 4047106055189             |

| Technical data                 | A-side                                                                        | B-side                                                                        |
|--------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Connector                      | female, angled, 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 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<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660">https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660</a>                                                |
| Torque-wrench set<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431">https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431</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> |
| Screw plug, M12<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=812">https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=812</a>     |
| Screw cap, M12<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=811">https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=811</a>      |

## Link to product

<https://www.escha.net/en/products/standard/sensoractuator-connectors/8051732>