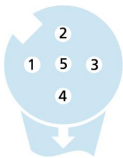
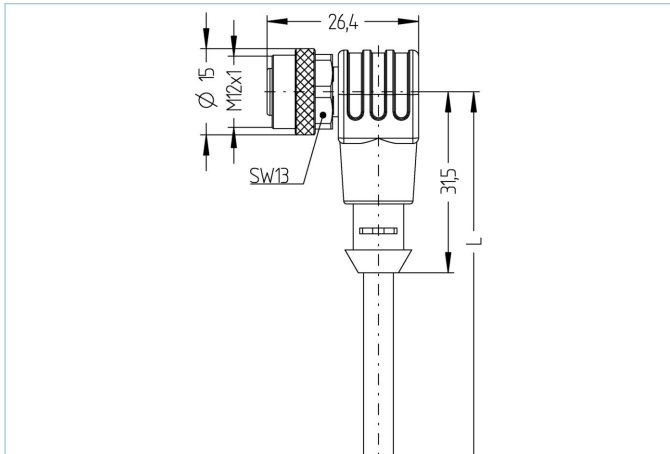


## M12, female, angled, 5 poles, sensor-/actuator cable



| Product data                   |                              |
|--------------------------------|------------------------------|
| Item description               | AL-WWAK4.5-1,5/P01           |
| Item-No.                       | 8110180                      |
| Length                         | 1.5m                         |
| Customs tariff-No.             | 85444290                     |
| Step-File                      | AL-WWAK4_5.stp               |
| EAN                            | 4047106304799                |
| Technical data                 |                              |
| Connector                      | female, angled, M12          |
| Number of pins                 | 5                            |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK, 5 GY |
| Coding                         | A                            |
| Rated voltage                  | 60V                          |
| Current load per pin (at 40°C) | 4A                           |
| Insulation resistance          | $\geq 10^9 \Omega$           |
| 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   |
| Sealing (female) material      | FPM/FKM                      |
| 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                          | angled                       |

## 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     | 5.30 mm                                                                                                                                                          |
| Cable-jacket material        | PVC                                                                                                                                                              |
| Jacket color                 | GY, similar RAL7040                                                                                                                                              |
| Wire cross-section           | 5 x 0.34 mm <sup>2</sup>                                                                                                                                         |
| Wire insulation material     | PVC                                                                                                                                                              |
| Wire colors                  | BN, WH, BU, BK, GY                                                                                                                                               |
| 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 plug, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=812>

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>