

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



| Product data                   |                              |
|--------------------------------|------------------------------|
| Item description               | AL-WWAK4.5-5/S740YE/S600     |
| Item-No.                       | 8094435                      |
| Length                         | 5m                           |
| Customs tariff-No.             | 85444290                     |
| EAN                            | 4047106278311                |
| 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                     | $\leq 5 \text{ m}\Omega$     |
| 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

PUR, UL, S740YE, welding sparks resistant, Automotive

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       | 7.0 mm   |
| Cable-jacket material          | PUR  |
| Jacket color                   | YE, similar RAL 1018   |
| Wire cross-section             | 5 x 0.34 mm <sup>2</sup>   |
| Wire insulation material       | PP   |
| Wire colors                    | BN, WH, BU, BK, GY   |
| 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         | 3 Mio. cycles  |
| Halogen-free                   | Yes  |
| Torsion                        | +/-180°/m, ≥ 1 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 |
| Eigenschaften Automotiv        | The cable meets the requirements of MgU-I-B09-41 for sensor-/ actuator cables for the body shop area.  |

## 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>

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

## Link to product

<https://www.escha.net/en/products/standard/sensoractuator-connectors/8094435>