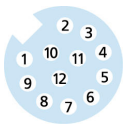


M12, female, straight, 12 poles, sensor-/actuator cable



| Product data | |
|--------------------------------|---|
| Item description | AL-WAK12-5/P01 |
| Item-No. | 8051311 |
| Length | 5m |
| Customs tariff-No. | 85444290 |
| Step-File | AL-WAK12-m.stp |
| EAN | 4047106018214 |
| Technical data | |
| Connector | female, 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 | $\leq 5m\Omega$ |
| 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 |
| 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 | straight |

| | |
|--------------|-------------------------|
| Cable | 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 ² |
| 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 | seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant |

| |
|-----------------------|
| Classification |
|-----------------------|

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|------------|----------|
| 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 |
|--------------------|

| |
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| Mounting-set, M12 https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664 |
| 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 |
| 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 |

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|------------------------|
| Link to product |
|------------------------|

<https://www.escha.net/en/products/standard/sensoractuator-connectors/8051311>