

M8, female, straight, 3 poles, shielded, sensor-/actuator cable



| Product data | |
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| Item description | AL-SKPS3-2/S370 |
| Item-No. | 8046192 |
| Length | 2m |
| Customs tariff-No. | 85444290 |
| Step-File | AL-SKPS3.stp |
| EAN | 4047106004958 |
| Technical data | |
| Connector | female, straight, M8 |
| Number of pins | 3 |
| Pin assignment | 1 BN, 3 BU, 4 BK |
| Rated voltage | 60V |
| Current load per pin (at 40°C) | 4A |
| Insulation resistance | ≥10 ⁹ Ω |
| Resistance | ≤ 5mΩ |
| 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 |
| Shielding | with shielding |
| Standards | IEC 61076-2-104 |
| 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 |

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| Cable | PUR, UL, S370 |
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Flexible, silicone- and halogen-free control cable with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes resistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements. Very good EMC-features with shielded versions.

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| Outer diameter of jacket | 4.40 mm |
| Cable-jacket material | PUR |
| Jacket color | BK, similar RAL9005 |
| Wire cross-section | 3 x 0.25 mm ² |
| Wire insulation material | PP |
| Wire colors | BN, BU, BK |
| Wire structure | 32 x 0.10 mm |
| Bending radius (fixed) | 5 x Ø-cable |
| Bending radius (repeated) | 12 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 | 5 Mio. cycles |
| Shielding | Yes |
| Halogen-free | Yes |
| Torsion | +/-360°/m, ≥ 2 Mio. cycles |
| Rated voltage cable | ≤300 V |
| Special features | flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof, drag chain-adapted, torsion resistant, welding sparks resistant, halogen free, silicone free, oil resistant |

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| 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 |

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| Accessories |
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| Mounting-set, M8 https://www.escha.net/en/products/standard/accessories-for-connectivity/8047663 |
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| Torque-wrench set https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431 |
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| Marking rings Ø 9mm https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809 |
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| Cable Stripping Tool https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215 |
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| Cable Stripping Tool https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216 |
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| Link to product |
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| https://www.escha.net/en/products/standard/sensoractuator-connectors/8046192 |
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