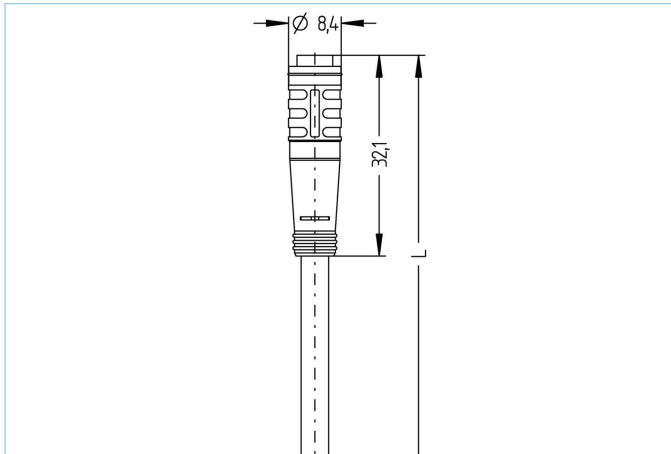# Ø8mm snap, female, straight, 4 poles, sensor-/actuator cable

## Product data

| | |
|---|---|
| Item description | AL-KP4-5/S7400 |
| Item-No. | 8067708 |
| Length | 5m |
| Customs tariff-No. | 85444290 |
| Step-File | AL-KP4.stp |
| EAN | 4047106153502 |

## Technical data

| | |
|---|---|
| Connector | female, straight, Ø8mm snap |
| Number of pins | 4 |
| Pin assignment | 1 BN, 2 WH, 3 BU, 4 BK |
| Rated voltage | 60V |
| Current load per pin (at 40°C) | 4A |
| Insulation resistance | ≥10$^8$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 |
| Sealing (female) material | FPM/FKM |
| 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 | 3/2 |
| Style | straight |

| Cable | PUR, UL, S7400, robotic |
|---|---|

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 | 4.80 mm |
| Cable-jacket material | PUR |
| Jacket color | OG, similar RAL2003 |
| Wire cross-section | 4 x 0.25 mm² |
| Wire insulation material | PP |
| Wire colors | BN, WH, BU, BK |
| Wire structure | 32 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 | 5 Mio. cycles |
| 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 |

| 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-set, M8
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047663

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

| Link to product |
|---|

https://www.escha.net/en/products/standard/sensoractuator-connectors/8067708