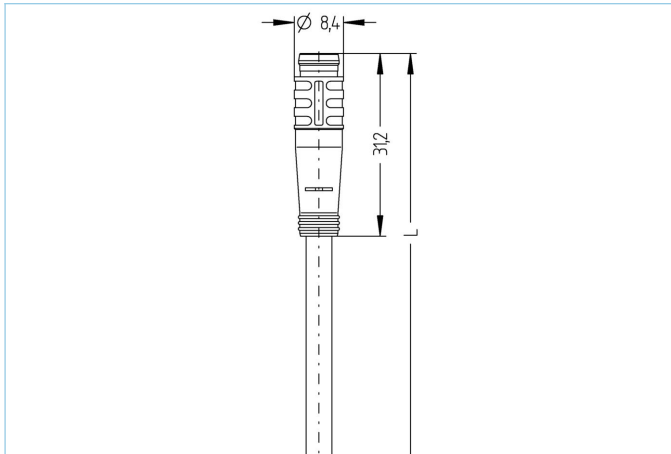


# Ø8mm snap, male, straight, 5 poles, sensor-/actuator cable



| Product data                   |                              |
|--------------------------------|------------------------------|
| Item description               | AL-SP4.5-m/S400              |
| Item-No.                       | V0006778                     |
| Länge                          | on demand                    |
| Customs tariff-No.             | 85444290                     |
| Step-File                      | AL-SP4_5.stp                 |
| Technical data                 |                              |
| Connector                      | male, straight, Ø8mm snap    |
| Number of pins                 | 5                            |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK, 5 GY |
| Rated voltage                  | 30V                          |
| Current load per pin (at 40°C) | 3A                           |
| Insulation resistance          | $\geq 10^8 \Omega$           |
| Resistance                     | $\leq 5 m\Omega$             |
| 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             |
| 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                     |

## Cable web

PUR, UL, S400, easystrip

Flexible, silicone- and halogen-free control line 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. Manual cable stripping up to 1.5 meters.

|                                |                                                                                                                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket       | 4.80 mm                                                                                                                                                                                                                                                              |
| Cable-jacket material          | PUR                                                                                                                                                                                                                                                                  |
| Jacket color                   | BK, similar RAL9005                                                                                                                                                                                                                                                  |
| Wire cross-section             | 5 x 0.25 mm <sup>2</sup>                                                                                                                                                                                                                                             |
| Wire insulation material       | PP                                                                                                                                                                                                                                                                   |
| Wire colors                    | BN, WH, BU, BK, GY                                                                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                                                                        |
| Halogen-free                   | Yes                                                                                                                                                                                                                                                                  |
| 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 |
| Special                        | Manual cable stripping up to 1.5 meters                                                                                                                                                                                                                              |

## 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>

### 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>