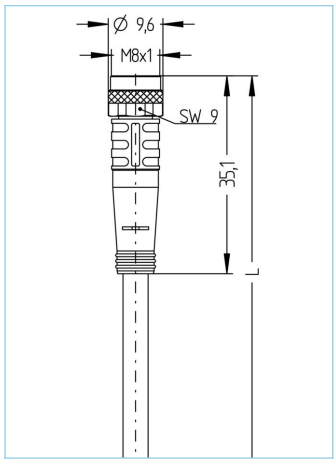
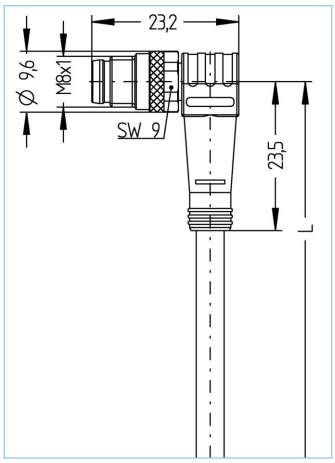
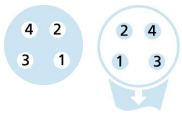
M8, female, straight, 4 poles, M8, male, angled, 4 poles, sensor-/actuator cable











Product data	
Item description	AL-SKP4-0,5-AL-SWSP4/S7400
Item-No.	8121418
Length	0.5m
Customs tariff-No.	85444290
Step-File	AL-SKP4_AL-SWSP4.stp
EAN	4047106337995

Technical data	A-side	B-side
Connector	female, straight, M8	male, angled, M8
Number of pins	4	4
Pin assignment	1 BN, 2 WH, 3 BU, 4BK	1 BN, 2 WH, 3 BU, 4BK
Rated voltage	60V	60V
Current load (at 40°C)	4A	4A
Insulation resistance	≥10⁸Ω	≥10⁸Ω
Resistance	≤ 5mΩ	≤ 5mΩ
Ambient temperature product	-30°C...+90°C	-30°C...+90°C
Contact material	Metal, CuSn, gold-plated	Metal, CuSn, gold-plated
Contact-carrier material	Plastic, TPU, BK	Plastic, TPU, BK
Grip body material	Plastic, TPU, BK	Plastic, TPU, BK
Coupling nut material	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Sealing (female) material	FPM/FKM	
Standards	IEC 61076-2-104	IEC 61076-2-104
Degree of protection (mounted)	IP65, IP67, IP68	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles	>100 mating cycles
Degree of pollution	3/2	3/2

The information contained in this data sheet was compiled with the utmost care. The liability for the correctness, completeness and timelines is limited to gross negligence.

Cable web	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, 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

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, M8
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047658

Torque-wrench set
https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431

Screw plug, M8
https://www.escha.net/en/products/standard/accessories-for-connectivity/8081771

Screw cap, M8
https://www.escha.net/en/products/standard/accessories-for-connectivity/8081761

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