.ESCHA

Double-ended cordset, Automation Line, M12 - M8
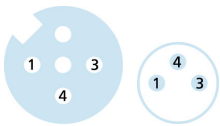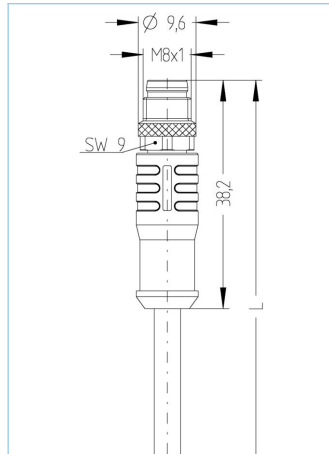
Product data	
Item description	AL-WWAK3-1-AL-SSP3/S370
Item-No.	8069696
Length	1m
Customs tariff-No.	85444290
EAN	4047106226794
Label-carrier	2 pieces

Technical data	A-side	B-side
Connector	female, angled, M12	male, straight, M8
Number of pins	3	3
Pin assignment	1 BN, 3 BU, 4 BK	1 BN, 3 BU, 4 BK
Coding of	A	
Rated voltage	250V	60V
Current load (at 40°C)	4A	4A
Insulation resistance	>=10^{8}Ω	>=10^{8}Ω
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 61076-2-101	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	3

Cable	PUR, UL, S370

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.

Outer diameter of jacket	4,00 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	3 x 0.25 mm²
Wire insulation material	PP
Wire colors	BN, BU, BK
Conductor 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)	-50°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

Accessories

Mounting-set, M12
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664/mounting-set-m12-clips-and-screws-m4x8-black

Mounting-set, M8
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047663/mounting-set-m8-clips-and-screws-m4x8-black

Torque-wrench set
https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431/torque-wrench-set-m8-m12

Marking rings Ø 9mm
https://www.escha.net/en/products/standard/accessories-for-connectivity/?p=1&o=3&n=15&f=809