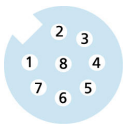
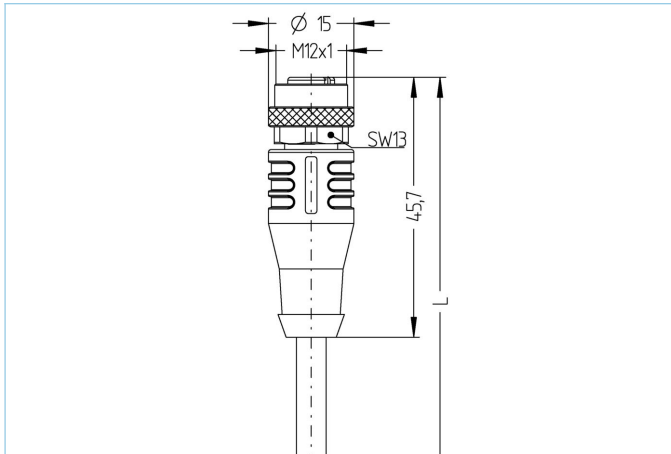


Single-ended cordset, Automation Line, M12, shielded



Product data

Item description	AL-WAKS8-2/S370
Item-No.	8046990
Length	2m
Customs tariff-No.	85444290
Step-File	AL-WAKS8.stp
EAN	4047106006440

Technical data

Connector	female, straight, M12
Number of pins	8
Pin assignment	1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD
Coding	A
Rated voltage	30V
Current load (at 40°C)	2A
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
Coupling nut material	Metal, CuZn, nickel-plated
Sealing (female) material	FPM/FKM
Shielding	with shielding
Standards	IEC 61076-2-101
Degree of protection (mounted)	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles
Cable end assembly	open cable end
Degree of pollution	3

Cable		PUR, UL, S370
Flexible, silicone- and halogen-free control cable with high mechanical strength. The cable is chemicals, hydrolysis-, and microbesresistant. The drag-chain application is possible at a bending radius of minimum10 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.		
Outer diameter of jacket	6,30 mm	
Cable-jacket material	PUR	
Jacket color	BK, similar RAL9005	
Wire cross-section	8 x 0.25 mm²	
Wire insulation material	PP	
Wire colors	WH, BN, GN, YE, GY,PK, BU, RD	
Conductor 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	1 Mio. cycles	
Shielding	Yes	
Halogen-free	Yes	
Torsion	+/-180°/m, < 1 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, M12 https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8047664/Mounting-set-M12-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		
Cable Stripping Tool https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066215/Cable-stripping-tool-4.40-7.00mm-outer-diameter		
Cable Stripping Tool https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066216/Cable-stripping-tool-3.20-4.40mm-outer-diameter		