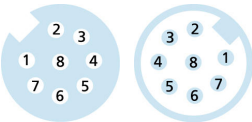
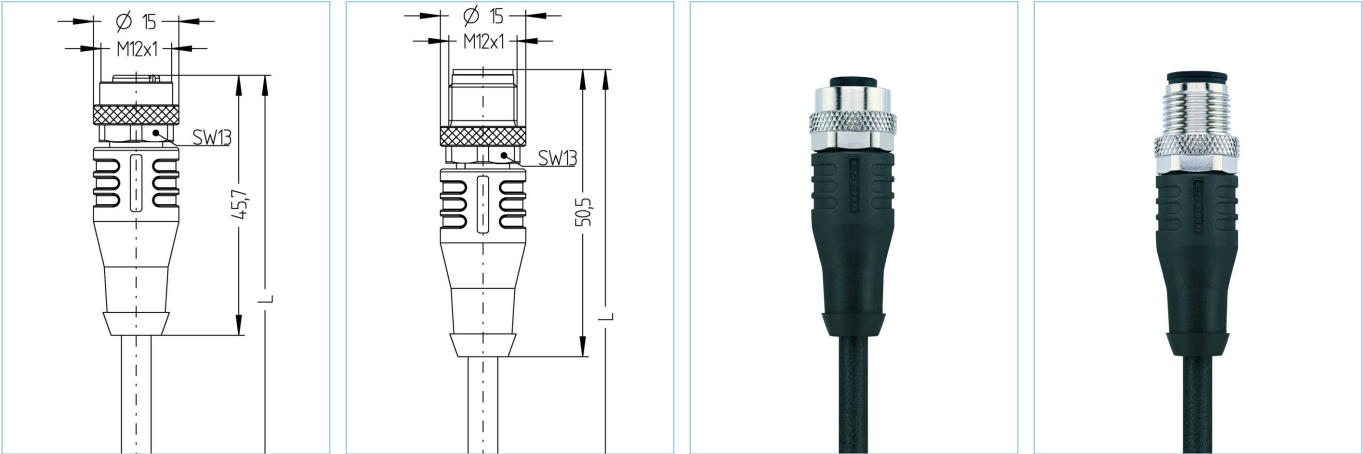


Double-ended cordset, Automation Line, M12, shielded



Product data		
Item description	AL-WAKS8-1-AL-WASS8/S370	
Item-No.	8051887	
Length	1m	
Customs tariff-No.	85444290	
Step-File	AL-WAKS8_AL-WASS8.stp	
EAN	4047106087005	
Label-carrier	2 pieces	
Technical data	A-side	B-side
Connector	female, straight, M12	male, straight, M12
Number of pins	8	8
Pin assignment	1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD	1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD
Coding of	A	A
Rated voltage	30V	30V
Current load (at 40°C)	2A	2A
Insulation resistance	>=10 ⁹ Ω	>=10 ⁹ Ω
Resistance	≤ 5mΩ	≤ 5mΩ
Ambient temperature product	-30°C...+90°C	-30°C...+90°C
Contact material	Metal, CuZn, gold-plated	Metal, CuZn, 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	
Shielding	with shielding	with shielding
Standards	IEC 61076-2-101	IEC 61076-2-101
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 cable with high mechanical strength. The cable is chemicals, hydrolysis-, and microbesresistant. 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. 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 mm ²
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		