

Double-ended cordset, Automation Line, M12, shielded



Product data

Item description	AL-WAKS8-1-AL-WWASS8/P00
Item-No.	8051624
Length	1m
Customs tariff-No.	85444290
Step-File	AL-WAKS8_AL-WWASS8.stp
EAN	4047106030094
Label-carrier	2 pieces

Technical data	A-side	B-side
Connector	female, straight, M12	male, angled, 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	$\geq 10^9 \Omega$	$\geq 10^9 \Omega$
Resistance	$\leq 5 m\Omega$	$\leq 5 m\Omega$
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		PVC, P00, GY
PVC-cable for measurement and control-, and sensor technology. Suitable for applications in dry areas on packaging machines, assembly- and conveyor technology. High flexibility with unstressed movement (conditional drag-chain application possible). Predestined for applications in food- and beverage industry. Very good EMC-features with shielded versions.		
Outer diameter of jacket		6,70 mm
Cable-jacket material		PVC
Jacket color		GY, similar RAL7040
Wire cross-section		8 x 0.25 mm ²
Wire insulation material		PVC
Wire colors		WH, BN, GN, YE, GY, PK, BU, RD
Conductor structure		14 x 0.15 mm
Bending radius (fixed)		5 x Ø-cable
Bending radius (repeated)		10 x Ø-cable
Temperature range (repeated)		0°C...+80°C
Temperature range (fixed)		-25°C...+80°C
Shielding		Yes
Rated voltage cable		≤300 V
Special features		seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof
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		