

M12, female, straight, 12 poles, shielded, sensor-/actuator cable



Product data

Item description	AL-WAKS12-2/P00
Item-No.	8051212
Length	2m
Customs tariff-No.	85444290
Step-File	AL-WAKS12-m.stp
EAN	4047106017170

Technical data

Connector	female, straight, M12
Number of pins	12
Pin assignment	1 BN, 2 BU, 3 WH, 4 GN, 5 PK, 6 YE, 7 BK, 8 GY, 9 RD, 10 VT, 11 GYPK, 12 RDBU
Coding	A
Rated voltage	30V
Current load per pin (at 40°C)	1.5A
Insulation resistance	$\geq 10^9 \Omega$
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
Style	straight

Cable web	PVC, P00, GY
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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	6.60 mm
Cable-jacket material	PVC
Jacket color	GY, similar RAL7040
Wire cross-section	12 x 0.14 mm ²
Wire insulation material	PVC
Wire colors	BN, BU, WH, GN, PK, YE, BK, GY, RD, VT, GYPK, RDBU
Wire structure	18 x 0.10 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	good resistance against oils and chemicals, hydrolysis proof, LABS free, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, sea-water resistant, UV resistant

Classification	
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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	
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Mounting-clip, M12 https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660	
Torque-wrench set https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431	
Marking rings Ø 9mm https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809	
Screw plug, M12 https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=812	
Cable Stripping Tool https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215	
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Link to product	
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https://www.escha.net/en/products/standard/sensoractuator-connectors/8051212	
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