

M12, male, straight, 3 poles, shielded, sensor-/actuator cable



Product data	
Item description	AL-WASS3-5/P00
Item-No.	8051171
Length	5m
Customs tariff-No.	85444290
Step-File	AL-WASS3.stp
EAN	4047106016548
Technical data	
Connector	male, straight, M12
Number of pins	3
Pin assignment	1 BN, 3 BU, 4 BK
Coding	A
Rated voltage	250V
Current load per pin (at 40°C)	4A
Insulation resistance	$\geq 10^8 \Omega$
Resistance	$\leq 5 m\Omega$
Ambient temperature product	-30°C...+90°C
Contact material	Metal, CuSn, gold-plated
Contact-carrier material	Plastic, TPU, BK
Grip body material	Plastic, TPU, BK
Coupling nut material	Metal, CuZn, nickel-plated
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	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	4.80 mm
Cable-jacket material	PVC
Jacket color	GY, similar RAL7040
Wire cross-section	3 x 0.34 mm ²
Wire insulation material	PVC
Wire colors	BN, BU, BK
Wire structure	19 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	
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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

- Mounting-set, M12
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664>
- 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>
- Cable Stripping Tool
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215>
- Cable Stripping Tool
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216>

Link to product

<https://www.escha.net/en/products/standard/sensoractuator-connectors/8051171>