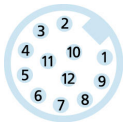
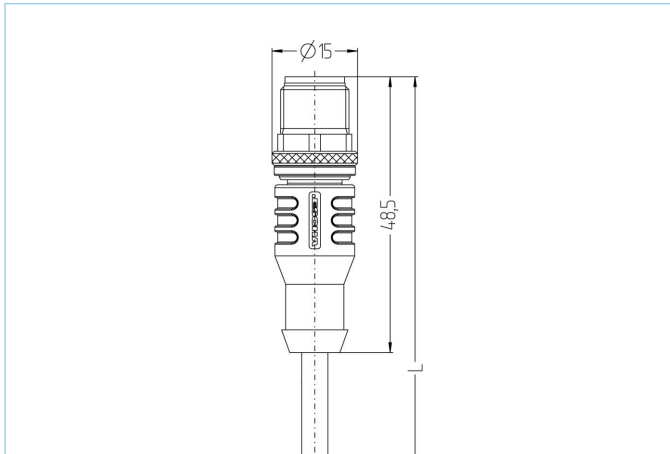


Single-ended cordset, Automation Line, M12



Product data

Item description	AL-WAS12-2/P01
Item-No.	8051316
Length	2m
Customs tariff-No.	85444290
Step-File	AL-WAS12.stp
EAN	4047106018269

Technical data

Connector	male, 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 (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
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		PVC, UL, P01, 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.		
Outer diameter of jacket		6,10 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
Conductor 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
Rated voltage cable		≤300 V
Special features		seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV 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		