

Single-ended cordset, Automation Line, M12



Product data

Item description	AL-WWAK5-2/S400
Item-No.	8075535
Length	2m
Customs tariff-No.	85444290
Step-File	AL-WWAK5.stp
EAN	4047106162788

Technical data

Connector	female, angled, M12
Number of pins	4+PE
Pin assignment	1 BN, 2 WH, 3 BU, 4 BK, 5 GNYE
Coding	A
Rated voltage	60V
Current load (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
Sealing (female) material	FPM/FKM
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		PUR, UL, S400, easystrip
Flexible, silicone- and halogen-free control line with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes- resistant. 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. Manual cable stripping up to 1.5 meters.		
Outer diameter of jacket		5,20 mm
Cable-jacket material		PUR
Jacket color		BK, similar RAL9005
Wire cross-section		4 x 0,34 mm ² + 1 x 0,34 mm ²
Wire insulation material		PP
Wire colors		BN, WH, BU, BK, GNYE
Conductor structure		42 x 0.10 mm
Bending radius (fixed)		5 x Ø-cable
Bending radius (repeated)		10 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
Halogen-free		Yes
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
Special		Manual cable stripping up to 1.5 meters
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		