

M12, female, angled, 4+PE, sensor-/actuator cable



Product data	
Item description	AL-WWAK5-1/S400
Item-No.	8100735
Length	1m
Customs tariff-No.	85444290
Step-File	AL-WWAK5.stp
EAN	4047106282790
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 per pin (at 40°C)	4A
Insulation resistance	$\geq 10^9 \Omega$
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
Style	angled

Cable web	PUR, UL, S400, easystrip
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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
Wire 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, halogen free, hydrolysis proof, LABS free, oil resistant, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, welding sparks resistant, seawater resistant, silicone free, torsion resistant, UV resistant
Special	Manual cable stripping up to 1.5 meters

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	
Cable Stripping Tool https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216	