

## Single-ended cordset, Automation Line, M12x1



### Product data

Item description	AL-WAK5-5/S370GY
Item-No.	8058860
Length	5m
Customs tariff-No.	85444290
Step-File	AL-WAK5.stp
EAN	4047106143688

### Technical data

Connector	female, M12x1, straight
Number of pins	4+PE
Pin assignment	1 BN, 2 WH, 3 BU, 4 BK, 5 GN/YE
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

<b>Cable</b>	<b>S370GY, PUR, UL</b>
--------------	------------------------

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.

Outer diameter of jacket	5,20 mm
Cable-jacket material	PUR
Jacket color	GY, similar RAL7040
Wire cross-section	5 x 0.34 mm <sup>2</sup>
Wire insulation material	PP
Wire colors	BN, WH, BU, BK, GN/YE
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
Drag chain-application	3 Mio. cycles
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

<b>Classification</b>	
-----------------------	--

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

<b>Accessories</b>	<b>Web-Link</b>
--------------------	-----------------

Mounting-set, M12x1	<a href="https://www.escha.net/en/search?sSearch=8047664">https://www.escha.net/en/search?sSearch=8047664</a>
Torque-wrench set	<a href="https://www.escha.net/en/search?sSearch=8055431">https://www.escha.net/en/search?sSearch=8055431</a>
Marking rings Ø 9mm	<a href="https://www.escha.net/en/products/accessoires/marking-rings/">https://www.escha.net/en/products/accessoires/marking-rings/</a>
Cable Stripping Tool	<a href="https://www.escha.net/en/search?sSearch=8066215">https://www.escha.net/en/search?sSearch=8066215</a>
Cable Stripping Tool	<a href="https://www.escha.net/en/search?sSearch=8066216">https://www.escha.net/en/search?sSearch=8066216</a>