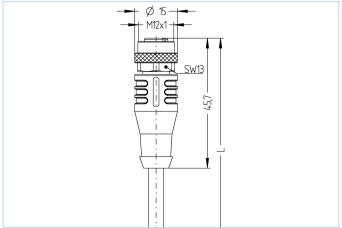


## M12, female, straight, 5 poles, shielded, sensor-/actuator cable







Product data



Item description	AL-WAKS4.5-10/S370
Item-No.	8046240
Length	10m
Customs tariff-No.	85444290
Step-File	AL-WAKS4_5.stp
EAN	4047106005429
Technical data	
Connector	female, straight, M12
Number of pins	5
Pin assignment	1 BN, 2 WH, 3 BU, 4 BK, 5 GY
Coding	A
Rated voltage	60V
Current load per pin (at 40°C)	4A
Insulation resistance	>=10°Ω
Resistance	$\leq 5 \text{m}\Omega$
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
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



PUR, UL, \$370 Cable

Flexible, silicone- and halogen-free control cable with high mechanical strength. The cable is chemicals, hydrolysis-, and microbesresistant. The dragchain application is possible at a bending radius of minimum10 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. Very good EMC-features with shielded versions.

Outer diameter of jacket	5.60 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	5 x 0.34 mm <sup>2</sup>
Wire insulation material	PP
Wire colors	BN, WH, BU, BK, GY
Wire structure	42 x 0.10 mm
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	12 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
Shielding	Yes
Halogen-free	Yes
Torsion	+/-180°/m, ≥ 0.5 Mio. cycles
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

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

 $Mounting-clip,\ M12\\ https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660$ 

Torque-wrench set https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431

Marking rings Ø 9mm

t/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809

Screw plug, M12

net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=812

Cable Stripping Tool en/products/standard/accessories-for-connectivity/8066215

Cable Stripping Tool n/products/standard/accessories-for-connectivity/8066216

## Link to product

https://www.escha.net/en/products/standard/sensoractuator-connectors/8046240