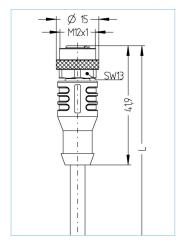
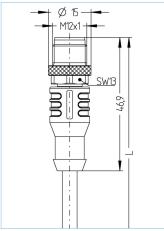


## M12, female, straight, 4 poles, M12, male, straight, 4 poles, sensor-/actuator cable























Product data	
Item description	AL-WAK4-8-AL-WAS4/S370
Item-No.	8056509
Length	8m
Customs tariff-No.	85444290
Step-File	AL-WAK4_AL-WAS4.stp
EAN	4047106201678

Technical data	A-side	B-side
Connector	female, straight, M12	male, straight, M12
Number of pins	4	4
Pin assignment	1 BN, 2 WH, 3 BU, 4 BK	1 BN, 2 WH, 3 BU, 4 BK
Coding of	А	A
Rated voltage	250V	250V
Current load (at 40°C)	4A	4A
Insulation resistance	>=10 <sup>8</sup> Ω	>=10 <sup>8</sup> Ω
Resistance	≤ 5mΩ	≤ 5mΩ
Ambient temperature product	-30°C+90°C	-30°C+90°C
Contact material	Metal, CuSn, gold-plated	Metal, CuSn, gold-plated
Contact-carrier material	Plastic, TPU, BK	Plastic, TPU, BK
Grip body material	Plastic, TPU, BK	Plastic, TPU, BK
Coupling nut material	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Sealing (female) material	FPM/FKM	
Standards	IEC 61076-2-101	IEC 61076-2-101
Degree of protection (mounted)	IP65, IP67, IP68	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles	>100 mating cycles
Degree of pollution	3	3



Cable web PUR, UL, S370

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	4.70 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	4 x 0.34 mm <sup>2</sup>
Wire insulation material	PP
Wire colors	BN, WH, BU, BK
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
Drag chain-application	5 Mio. cycles
Halogen-free	Yes
Torsion	+/-360°/m, ≥ 2 Mio. cycles
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
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 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	

Screw cap, M12 https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=811