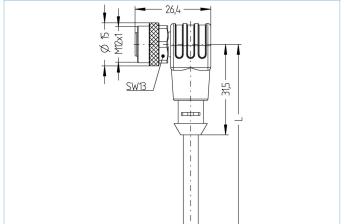


M12, female, angled, 4 poles, sensor-/actuator cable









Product data	
Item description	AL-WWAK4-m/S7400
Item-No.	V0004909
Länge	on demand
Customs tariff-No.	85444290
Step-File	AL-WWAK4.stp
Technical data	
Connector	female, angled, M12
Number of pins	4
Pin assignment	1 BN, 2 WH, 3 BU, 4 BK
Coding	A
Rated voltage	250V
Current load per pin (at 40°C)	4A
Insulation resistance	>=10°Ω
Resistance	≤ 5mΩ
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, S7400, robotic

Flexible, silicone- and halogen free control cable with high mechanical strength. Due to its outstanding properties in drag-chain adaption, torsionresistance and weld-field immunity, it is very well suited for the flexible applications in robotics, handling- and assembly technology as well as machine tools. The cable meets the UL and CSA (UL10493/20549; cULus) requirements.

Outer diameter of jacket 5.20 mm Cable-jacket material PUR Jacket color OG, similar RAL2003 Wire cross-section 4 x 0.34 mm² 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 ≥ 10 Mio. cycles Halogen-free Yes Tosion +/-360°m, ≥ 10 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, sliicone free, torsion resistant, UV resistant			
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Halogen-free Yes Torsion +/-360°/m, ≥ 10 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,	Temperature range (drag chain)	-25°C+60°C	
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	Special features	ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, welding sparks resistant, seawater resistant, silicone free,	

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

n/products/standard/accessories-for-connectivity/8047660

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

 $\label{lem:marking} \begin{array}{ll} Marking\ rings\ \varnothing\ 9mm \\ \text{https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1\&o=3\&n=15\&f=809 \\ \end{array}$

 $Screw\ plug,\ M12\\ https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1\&o=3\&n=15\&f=812\\ https://www.escha.net/en/products/standard/accessories-for-connectivity.put/en/products/standard/accessories-for-connectivity.put/en/products/standard/accessories-for-connectivity.put/e$

Cable Stripping Tool https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215

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