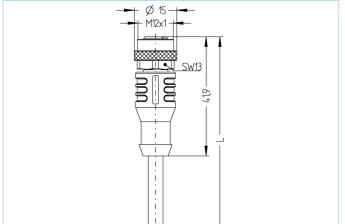


## Single-ended cordset, Automation Line, M12x1







Product data



Item-No.         8092333           Length         10m           Customs tariff-No.         85444290           Step-File         AL-WAK8.stp           EAN         4047106263393           Technical data           Econnector           Connector         female, M12x1, straight           Number of pins         8           Pin assignment         1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD           Coding         A           Rated voltage         30V           Current load (at 40°C)         2A           Resistance         >=10°Q           Ambient temperature product         -30°C+90°C           Contact-arrier material         Metal, CuZn, 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)         Ple5, IPG, IPG8           Mechanical life-cycle         5100 mating cycles           Cable end assembly         open cable end           Degree of pollution         3	Item description	AL-WAK8-10/S370GY
Customs tariff-No.         85444290           Step-File         AL-WAK8.stp           EAN         4047106263393           Technical data           Connector         female, M12x1, straight           Number of pins         8           Pin assignment         1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD           Coding         A           Rated voltage         30V           Current load (at 40°C)         2A           Insulation resistance         ≤ 5mΩ           Ambient temperature product         -30°C+90°C           Contact material         Metal, CuZn, gold-plated           Contact-carrier material         Metal, CuZn, gold-plated           Conjip pody material         Plastic, TPU, BK           Coupling nut material         Metal, CuZn, nickel-plated           Sealing (female) material         Metal, CuZn, nickel-plated           Standards         IEC 61076-2-101           Degree of protection (mounted)         IP65, IP67, IP68           Mechanical life-cycle         >100 mating cycles           Cable end assembly         open cable end	Item-No.	8092333
Step-FileAL-WAK8 stpEAN4047106263393Technical dataConnectorfemale, M12x1, straightNumber of pins8Pin assignment1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RDCodingARated voltage30VCurrent load (at 40°C)2AInsulation resistance>=10°ΩResistance≤ 5mΩAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, TPU, BKGrip body materialPlastic, TPU, BKCoupling nut materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMStandardsIEC 61076-2-101Degree of protection (mounted)IP65, IP67, IP68Mechanical life-cycle>100 mating cyclesCable end assemblyopen cable end	Length	10m
EAN       40471062633933         Technical data         Connector       female, M12x1, straight         Number of pins       8         Pin assignment       1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD         Coding       A         Rated voltage       30V         Current load (at 40°C)       2A         Insulation resistance       >=10°Ω         Resistance       ≤ 5mΩ         Ambient temperature product       -30°C+90°C         Contact material       Metal, CuZn, 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	Customs tariff-No.	85444290
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Rated voltage30VCurrent load (at 40°C)2AInsulation resistance>=10°ΩResistance≤ 5mΩAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, TPU, BKGrip body materialPlastic, TPU, BKCoupling nut materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMStandardsIEC 61076-2-101Degree of protection (mounted)IP65, IP67, IP68Mechanical life-cycle>100 mating cyclesCable end assemblyopen cable end	Pin assignment	1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD
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Insulation resistance>=10°ΩResistance≤ 5mΩAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, TPU, BKGrip body materialPlastic, TPU, BKCoupling nut materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMStandardsIEC 61076-2-101Degree of protection (mounted)IP65, IP67, IP68Mechanical life-cycle>100 mating cyclesCable end assemblyopen cable end	Rated voltage	30V
Resistance≤ 5mΩAmbient temperature product-30°C+90°CContact materialMetal, CuZn, gold-platedContact-carrier materialPlastic, TPU, BKGrip body materialPlastic, TPU, BKCoupling nut materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMStandardsIEC 61076-2-101Degree of protection (mounted)IP65, IP67, IP68Mechanical life-cycle>100 mating cyclesCable end assemblyopen cable end	Current load (at 40°C)	2A
Ambient temperature product  Contact material  Contact-carrier material  Metal, CuZn, gold-plated  Plastic, TPU, BK  Grip body material  Plastic, TPU, BK  Coupling nut material  Metal, CuZn, nickel-plated  Metal, CuZn, nickel-plated  FPM/FKM  Standards  IEC 61076-2-101  Degree of protection (mounted)  Metal, CuZn, nickel-plated  FPM/FKM  Standards  JEC 61076-2-101  Degree of protection (mounted)  Mechanical life-cycle  >100 mating cycles  Cable end assembly  open cable end	Insulation resistance	>=10°Ω
Contact material Metal, CuZn, 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	Resistance	$\leq 5 \text{m}\Omega$
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	Ambient temperature product	-30°C+90°C
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	Contact material	Metal, CuZn, gold-plated
Coupling nut materialMetal, CuZn, nickel-platedSealing (female) materialFPM/FKMStandardsIEC 61076-2-101Degree of protection (mounted)IP65, IP67, IP68Mechanical life-cycle>100 mating cyclesCable end assemblyopen cable end	Contact-carrier material	Plastic, TPU, BK
Sealing (female) materialFPM/FKMStandardsIEC 61076-2-101Degree of protection (mounted)IP65, IP67, IP68Mechanical life-cycle>100 mating cyclesCable end assemblyopen cable end	Grip body material	Plastic, TPU, BK
Standards IEC 61076-2-101  Degree of protection (mounted) IP65, IP67, IP68  Mechanical life-cycle >100 mating cycles  Cable end assembly open cable end	Coupling nut material	Metal, CuZn, nickel-plated
Degree of protection (mounted)  Mechanical life-cycle  Cable end assembly  IP65, IP67, IP68  >100 mating cycles  open cable end	Sealing (female) material	FPM/FKM
Mechanical life-cycle >100 mating cycles  Cable end assembly open cable end	Standards	IEC 61076-2-101
Cable end assembly open cable end	Degree of protection (mounted)	IP65, IP67, IP68
· · · · · · · · · · · · · · · · · · ·	Mechanical life-cycle	>100 mating cycles
Degree of pollution 3	Cable end assembly	open cable end
	Degree of pollution	3



Cable S370GY, PUR, UL

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	5,90 mm
Cable-jacket material	PUR
Jacket color	GY, similar RAL7040
Wire cross-section	8 x 0.25 mm <sup>2</sup>
Wire insulation material	PP
Wire colors	WH, BN, GN, YE, GY, PK, BU, RD
Conductor structure	32 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	2 Mio. cycles
Halogen-free	Yes
Torsion	+/-180°/m, < 1 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 resistent, 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	Web-Link
Mounting-set, M12x1	https://www.escha.net/en/search?sSearch=8047664
Torque-wrench set	https://www.escha.net/en/search?sSearch=8055431
Marking rings Ø 9mm	https://www.escha.net/en/products/accessoires/marking-rings/
Cable Stripping Tool	https://www.escha.net/en/search?sSearch=8066215
Cable Stripping Tool	https://www.escha.net/en/search?sSearch=8066216