.ESCHA

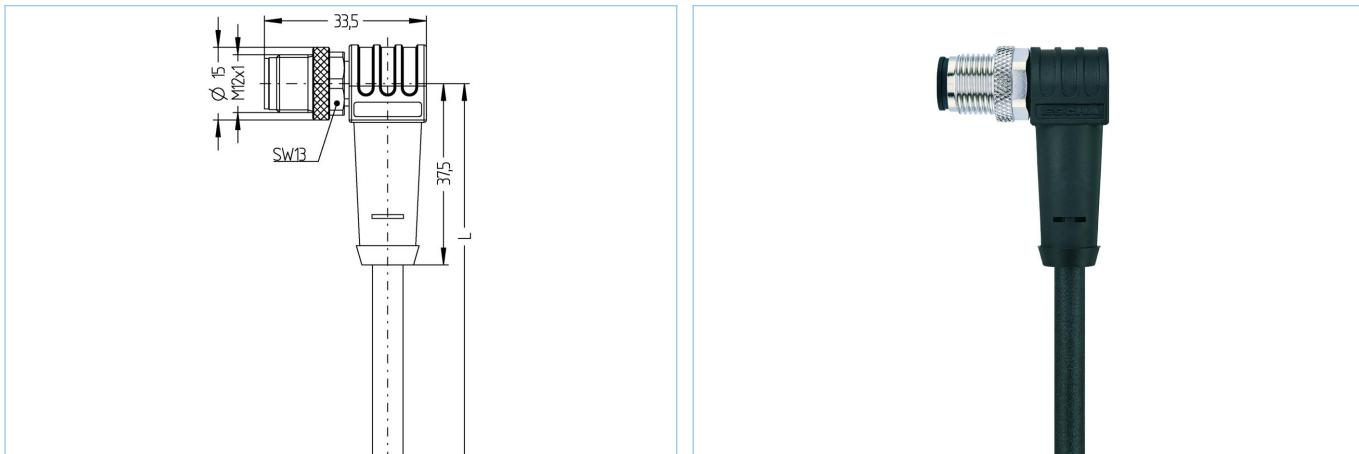## M12, male, angled, 8 poles, shielded, sensor-/actuator cable

Product data	
Item description	AL-WWASS8-5/S370
Item-No.	8046999
Length	5m
Customs tariff-No.	85444290
Step-File	AL-WWASS8.stp
EAN	4047106006532

Technical data	
Connector	male, angled, M12
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 per pin (at 40°C)	2A
Insulation resistance	>=10^{8}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
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	angled

Cable	PUR, UL, S370

Flexible, silicone- and halogen-free control cable with high mechanical strength. The cable is chemicals, hydrolysis-, and microbesresistant. The drag-chain 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	6.30 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	8 x 0.25 mm²
Wire insulation material	PP
Wire colors	WH, BN, GN, YE, GY, PK, BU, RD
Wire structure	32 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	≥2 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-set, M12
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664

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

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

Cable Stripping Tool
https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216

Link to product

https://www.escha.net/en/products/standard/sensoractuator-connectors/8046999