M12, male, straight, 4+PE, sensor-/actuator cable

Product data

Item description	AL-WAS5-m/P01
Item-No.	V0003633
Länge	on demand
Customs tariff-No.	85444290
Step-File	AL-WAS5.stp

Technical data

Connector	male, straight, M12
Number of pins	4+PE
Pin assignment	1 BN, 2 WH, 3 BU, 4 BK, 5 GNYE
Coding	A
Rated voltage	60V
Current load per pin (at 40°C)	4A
Insulation resistance	$>=10^8\Omega$
Resistance	$\leq 5m\Omega$
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
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

Cable web	PVC, UL, P01, GY

PVC-cable for measurement and control-, and sensor technology. Suitable for applications in dry areas on packaging machines, assembly- and conveyor technology. High flexibility with unstressed movement (conditional drag-chain application possible). Predestined for applications in food- and beverage industry.

Outer diameter of jacket	5.30 mm
Cable-jacket material	PVC
Jacket color	GY, similar RAL7040
Wire cross-section	4+1 x 0.34mm²
Wire insulation material	PVC
Wire colors	BN, WH, BU, BK, GNYE
Wire structure	19 x 0.15 mm
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	10 x Ø-cable
Temperature range (repeated)	0°C...+80°C
Temperature range (fixed)	-25°C...+80°C
Rated voltage cable	≤300 V
Special features	good resistance against oils and chemicals, LABS free, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, seawater 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 cap, M12
https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=811
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