

Ø8mm snap, female, straight, 5 poles, sensor-/actuator cable



Product data

Item description	AL-KP4.5-2,5/S571
Item-No.	8118451
Length	2.5m
Customs tariff-No.	85444290
Step-File	AL-KP4_5.stp
EAN	4047106329402

Technical data

Connector	female, straight, Ø8mm snap
Number of pins	5
Pin assignment	1 BN, 2 WH, 3 BU, 4 BK, 5 GY
Rated voltage	30V
Current load per pin (at 40°C)	3A
Insulation resistance	≥10 ⁹ 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
Sealing (female) material	FPM/FKM
Standards	IEC 61076-2-104
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	PUR, UL, S571
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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	5.10 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	3 x 0.14 mm ² + 2 x 0.50 mm ²
Wire insulation material	PP
Wire colors	BN, WH, BU, BK, GY
Wire structure	18 x 0,10 mm (0,14 mm ²) , 64 x 0,10 mm (0,50 mm ²)
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
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	
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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	
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Mounting-clip, M12 https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660	
Marking rings Ø 9mm https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809	
Screw plug, Ø8mm snap https://www.escha.net/en/products/standard/accessories-for-connectivity/8081769	
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	