Ø8mm snap, female, angled, 4 poles, Ø8mm snap, male, straight, 4 poles, sensor-/actuator cable
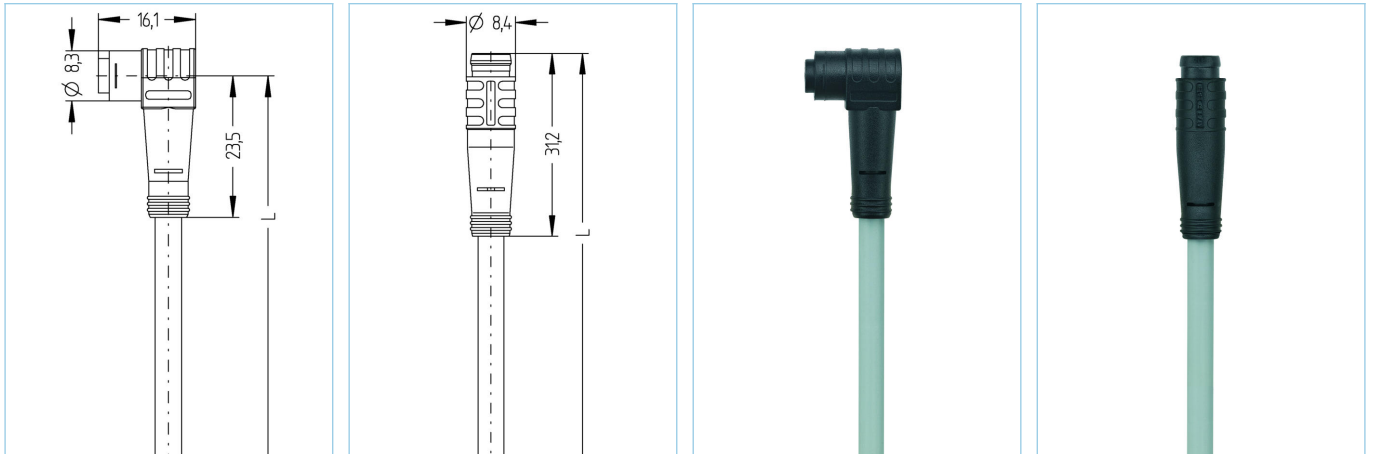
Product data

Item description	AL-WKP4-5-AL-SP4/S370GY
Item-No.	8075804
Length	5m
Customs tariff-No.	85444290
Step-File	AL-WKP4-L-AL-SP4.stp
EAN	4047106168209

Technical data	A-side	B-side
Connector	female, angled, Ø8mm snap	male, straight, Ø 8mm snap
Number of pins	4	4
Pin assignment	1 BN, 2 WH, 3 BU, 4 BK	1 BN, 2WH, 3 BU, 4 BK
Rated voltage	60V	60V
Current load (at 40°C)	4A	4A
Insulation resistance	>=10^{8}Ω	>=10^{8}Ω
Resistance	≤ 5mΩ	≤ 5mΩ
Ambient temperature product	-30°C...+90°C	-30°C...+90°C
Contact material	Metal, CuSn, gold-plated	Metal, CuSn, gold-plated
Contact-carrier material	Plastic, TPU, BK	Plastic, TPU, BK
Grip body material	Plastic, TPU, BK	Plastic, TPU, BK
Sealing (female) material	FPM/FKM	
Standards	IEC 61076-2-104	IEC 61076-2-104
Degree of protection (mounted)	IP65, IP67, IP68	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles	>100 mating cycles
Degree of pollution	3	3

Cable web	PUR, UL, S370GY

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	4.30 mm
Cable-jacket material	PUR
Jacket color	GY, similar RAL7040
Wire cross-section	4 x 0.25 mm²
Wire insulation material	PP
Wire colors	BN, WH, BU, BK
Wire 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	5 Mio. cycles
Halogen-free	Yes
Torsion	+/-360°/m, ≥ 2 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, torsion 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

Marking rings Ø 9mm
https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809

Link to product

https://www.escha.net/en/products/standard/sensoractuator-connectors/8075804