

ZK4724-0410-2xxx | Resolver connection cable 0.25 mm² with M12 plug for motors with resolver, drag-chain suitable



M12, socket, straight, female, 8-pin, A-coded – open end, 6-wire + shielding



Plugs

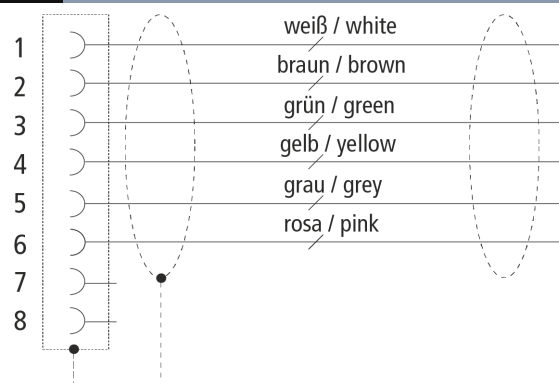
Electrical data	Head A	Head B
Rated voltage	30 V (according to IEC 61076-2-101)	-
Rated voltage x-pin	8-pin, 30 V (according to IEC 61076-2-101)	-
Rated current	2 A at 40 °C (according to IEC 61076-2-101)	-
Shielding	yes	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	socket	-
Configuration	straight	-
Contact type	female	-
Number of positions (face)	8-pin	6-wire + shielding
Coding	A-coded	-

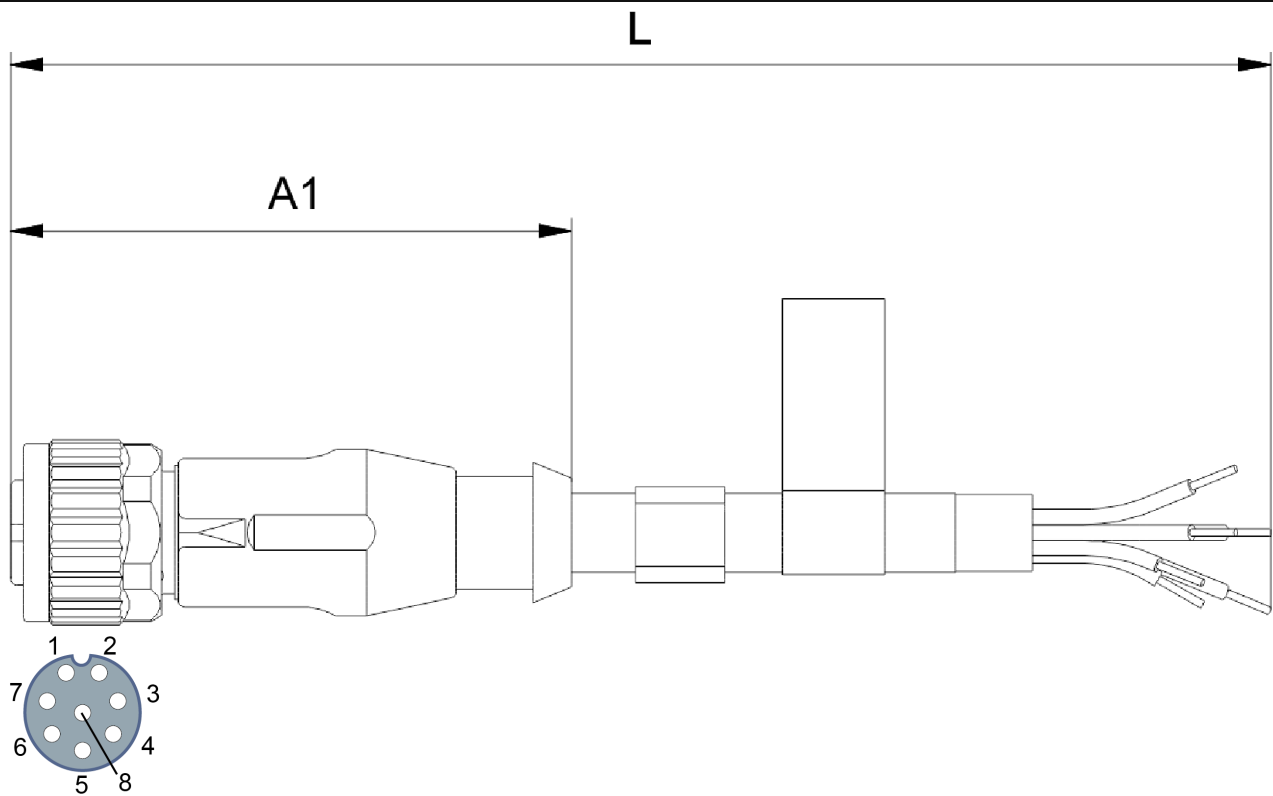
Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Body color	black	-
Body material	PA6	-
Coupling nut material	GD-Zn, Ni	-
Seal	elastomers	-
O-ring	NBR	-
Contact carrier color	green	-
Contact carrier material	PA, UL 94	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn	-
Environmental data		
RoHS compliant	yes	-
Ambient temperature (operation)	-30...+85 °C, -22...+185 °F	-
Protection class	IP65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

Cable

Electrical data		
Operating voltage	≤ 300 V AC	
Insulation resistance	≥ 200 MΩ*km	
Wire resistance (signal/24V)	≤ 77 Ω/km	
Test voltage	≥ 3000 V	
Mechanical data		
Conductor construction	32 x 0.10 mm	
Cross-section	3 x 2 x 0.25 mm ² (AWG24)	
Min. bending radius, moved in drag-chain	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Outer cable diameter	6.6 mm ± 0.2mm (0.259" ± 0.0079")	
Conductor material	copper bare	
Optical covering factor of shielding	≥ 85%	
Use	drag-chain suitable	
Max. acceleration	10 m/s ²	
Max. speed	3 m/s	

Max. travel distance	10 m
Max. number of cycles	2 million
Jacket color	green
Material jacket	PUR (polyurethane)
Wire color code	brown, white / green, yellow / gray, pink
Wire insulation material	PP (polypropylene)
Printing on the jacket	781-GR260T Li9YVICVI11Y 3 x 2 x 0.25 mm ²
Printing color	black
Environmental data	
Operation temperature range, moved	-20...+80 °C, -4...+176 °F
Operation temperature range, fixed installation	-40...+80 °C, -40...+185 °F
Oil resistance	according to DIN EN 60811-2-1
Flame-retardant	758/1581
Halogen-free	DIN VDE 0472 part 815
RoHS compliant	yes

Contact assembly**Dimensions**



A1

44.00 mm

Notes

- Depending on the cable length (L), the following length tolerances apply:
0 m...<0.2 m: ± 10 mm | 0.2...4.0 m: + 40 mm | ≥ 4.0 m: + 1 %
- Illustrations similar
- Further cable length on request.

Ordering information	Length
ZK4724-0410-2010	1.00 m
ZK4724-0410-2030	3.00 m
ZK4724-0410-2050	5.00 m
ZK4724-0410-2100	10.00 m
ZK4724-0410-2200	20.00 m

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