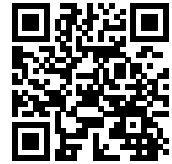
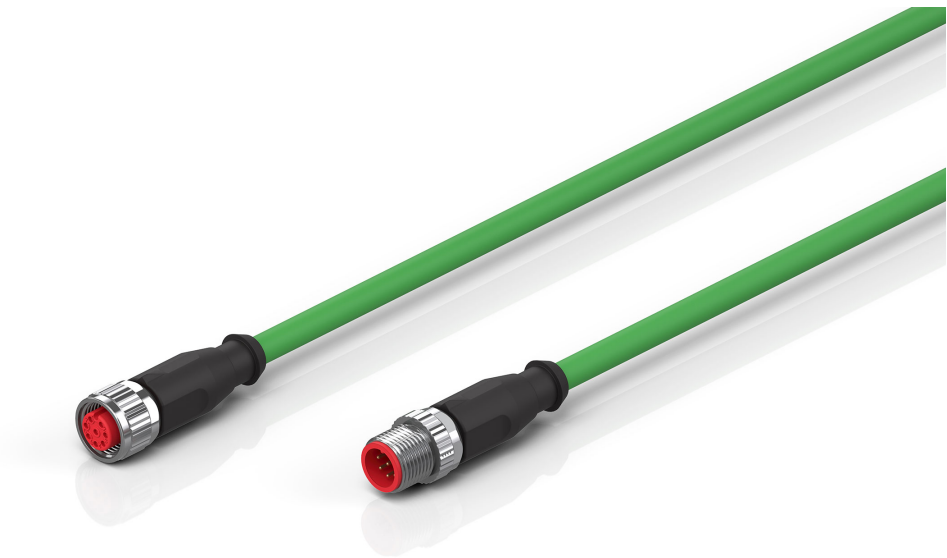


ZK4721-0410-2xxx | Resolver extension cable 0.25 mm² with M12 plug for motors with resolver, drag-chain suitable



M12, socket, straight, female, 8-pin, A-coded – M12, plug, straight, male, 8-pin, A-coded



Plugs

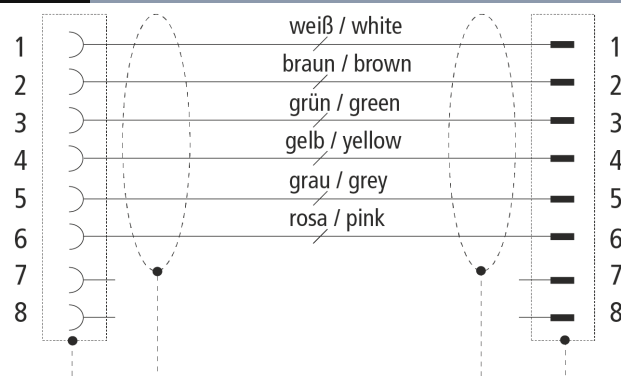
Electrical data	Head A	Head B
Rated voltage	30 V (according to IEC 61076-2-101)	30 V (according to IEC 61076-2-101)
Rated voltage x-pin	8-pin, 30 V (according to IEC 61076-2-101)	-
Rated current	2 A at 40 °C (according to IEC 61076-2-101)	2 A at 40 °C (according to IEC 61076-2-101)
Shielding	yes	yes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

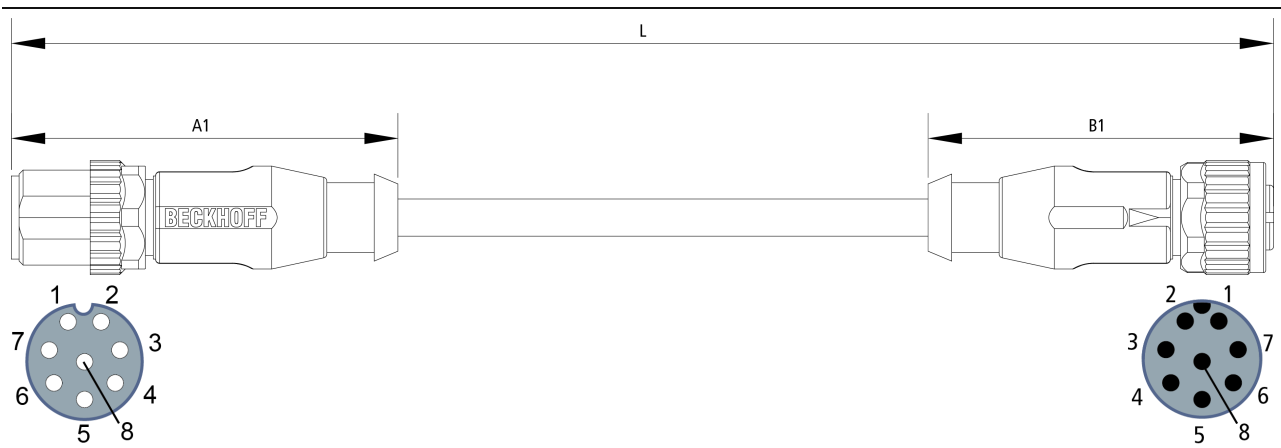
Coding	A-coded	A-coded
Recommended torque, nut	0.6 Nm	0.6 Nm
Mating cycles	≥ 100 (according to IEC 60512-9a)	≥ 100 (according to IEC 60512-9a)
Way of locking	screw	screw
Weight per piece	-	0.046 kg (0.1014 lb)
Body color	black	black
Body material	PA6	PA6
Coupling nut material	GD-Zn, Ni	GD-Zn, Ni
Seal	elastomers	elastomers
O-ring	NBR	NBR
Contact carrier color	green	green
Contact carrier material	PA, UL 94	PA, UL 94
Contact plating	Ni, Au gal.	Ni, Au gal.
Contact material	CuZn	CuZn
Environmental data		
RoHS compliant	yes	yes
Ambient temperature (operation)	-30...+85 °C, -22...+185 °F	-30...+85 °C, -22...+185 °F
Protection class	IP65/67 in screwed condition (according to IEC 60529)	IP65/67 in screwed condition (according to IEC 60529)
Pollution level	3/2 (according to IEC 60664-1)	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 Li9WICVI11Y 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
B1	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
ZK4721-0410-2010	1.00 m
ZK4721-0410-2030	3.00 m
ZK4721-0410-2050	5.00 m
ZK4721-0410-2100	10.00 m
ZK4721-0410-2200	20.00 m

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