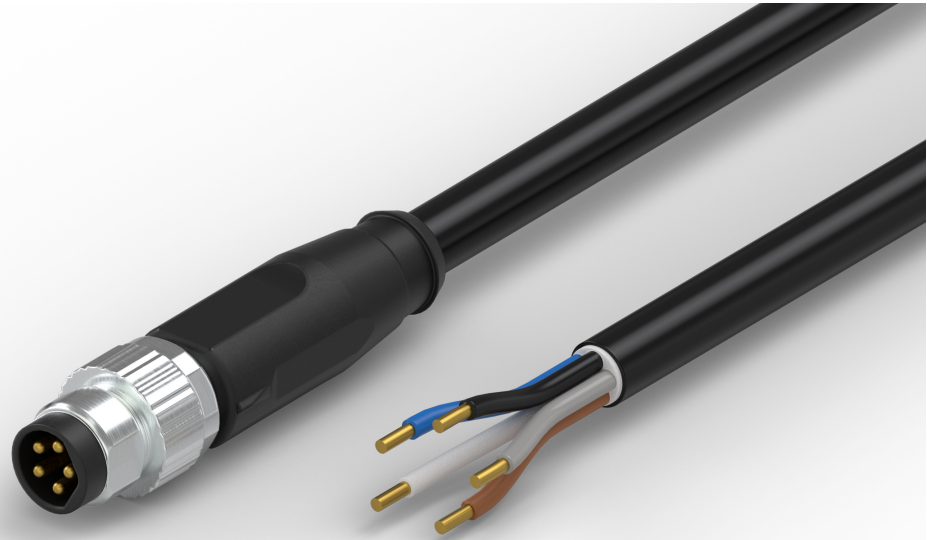


ZK2080-4100-0xxx | Motor/Sensor cable, PUR, 5 x 0.34 mm², drag-chain suitable



M8, plug, straight, male, 5-pin, B-coded – open end, 5-wire



Plugs

Electrical data	Head A	Head B
Rated voltage	30 V	-
Rated current	4 A at 40 °C (according to IEC 61076-2-104)	-
Shielding	no	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M8	open end
Connector type	plug	-
Configuration	straight	-
Contact type	male	-
Number of positions (face)	5-pin	5-wire
Coding	B-coded	-
Recommended torque, nut	0.4 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-

Way of locking	screw	-
Body color	black	-
Body material	TPU, UL 94, HB	-
Coupling nut material	GD-Zn, Ni	-
Contact carrier color	black	-
Contact carrier material	PA, UL 94 V-0	-
Contact material	CuZn, Ni b/Au	-
Environmental data		
Ambient temperature (operation)	-25...+80 °C, -13...+176 °F	-
Protection rating	IP67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

Cable

Electrical data		
Rated voltage	60 V (according to IEC 61076-2-104)	
Insulation resistance	≥ 1 GΩ * km	
Wire resistance (signal/24V)	≤ 58.0 Ω/km (20 °C)	
Test voltage	≥ 3000 V	
Mechanical data		
Conductor construction (signal/24V)	42 x 0.10 mm	
Cross-section (signal)	5 x 0.34 mm ² (AWG22)	
Min. bending radius, moved	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	37 kg/km (24.86 lb/1000 ft)	
Outer cable diameter	5.1 mm ± 0.15 mm (0.200787" ± 0.0059")	
Shielding	no	
Use	drag-chain suitable	
Max. acceleration	10 m/s ²	
Max. speed	3 m/s	
Max. travel distance	10 m	
Max. number of cycles	4 million	
Wall thickness of wire insulation (signal/24V)	≥ 0.21 mm	
Jacket color	black	
Material jacket	PUR (polyurethane)	
Wire color code	brown, white, blue, black, gray	

Printing color white

Environmental data

Operation temperature range, moved -25...+80 °C, -13...+176 °F

Operation temperature range, fixed installation -40...+80 °C, -40...+176 °F

Flame-retardant according to DIN EN 60332-2-2

Halogen-free DIN VDE 0472 part 815

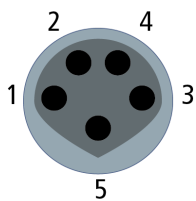
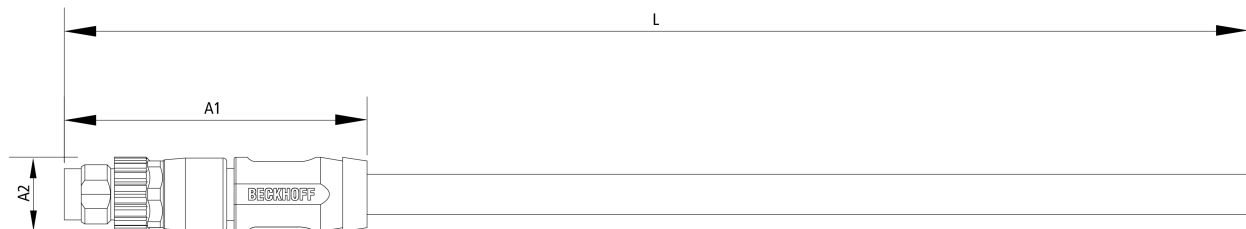
CE yes

UL yes, UL E-file number: E242293

Contact assembly

1	braun/brown
2	weiß/white
3	blau/blue
4	schwarz/black
5	grau/grey

Dimensions



A1 40.0 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.

CE, UL	
CE	yes

Ordering information	Length
ZK2080-4100-0020	2.00 m

Accessories	
ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0001	torque cable key, M8/wrench size 9, for ZB8801-0000



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