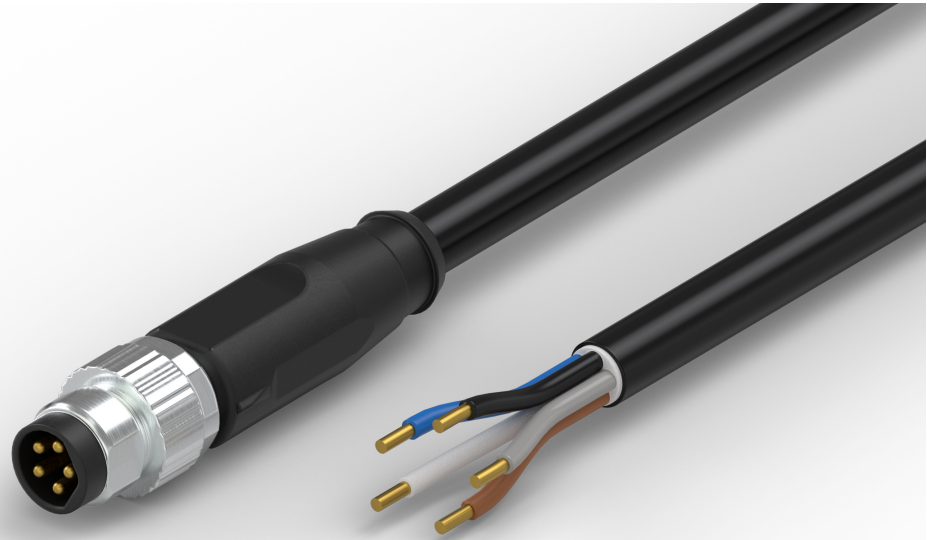# ZK2080-4100-0xxx | Motor/Sensor cable, PUR, 5 x 0.34 mm², drag-chain suitable

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)	-

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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 mm² (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/s²
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

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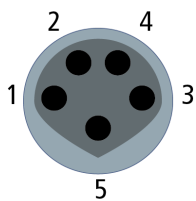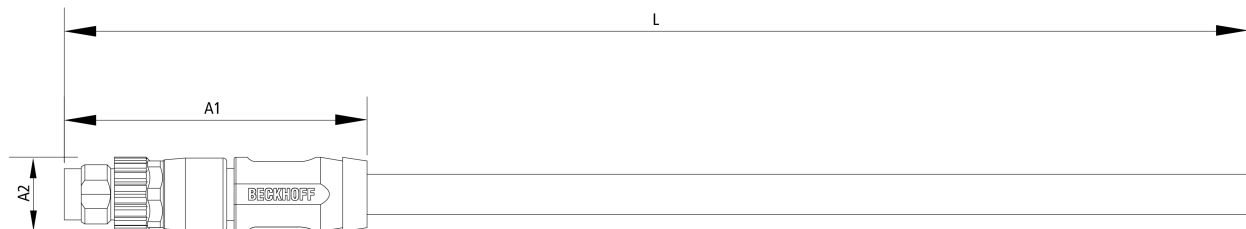| Printing color	white
Environmental data	
Operation temperature range, moved	-25...+80 °C, -13...+176 °F
Operation temperature range, fixed installation	-40...+80 °C, -40...+176 °F
Flame-retardant	according to DIN EN 60332-2-2
Halogen-free	DIN VDE 0472 part 815
CE	yes
UL	yes, UL E-file number: E242293

Contact assembly

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

Dimensions

L

A1

A2

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2 4
1   3
5

A1	40.0 mm

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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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