

ZK2000-6100-7xxx | Sensor cable, PP, 4 x 0.25 mm², fixed installation, food & beverage

M12, plug, straight, male, 4-pin, A-coded – open end, 4-wire

Plugs

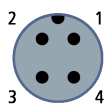
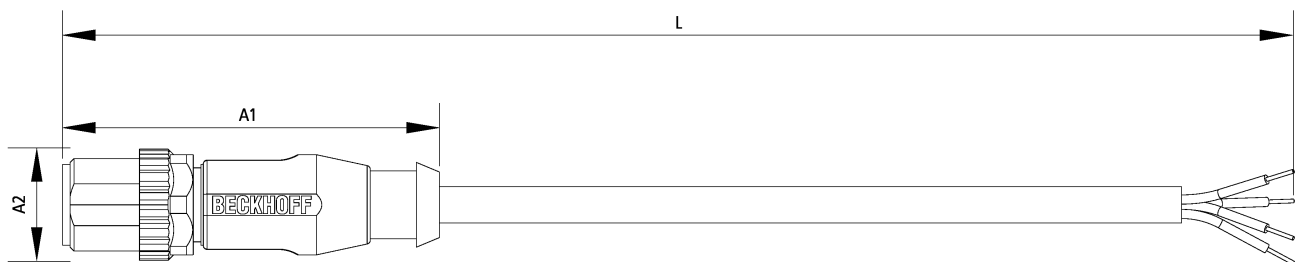
Electrical data	Head A	Head B
Rated voltage	250 V (according to IEC 61076-2-101)	-
Rated current	4 A at 40 °C (according to IEC 61076-2-101)	-
Shielding	no	-
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)	-
Mechanical data		
Installation size	M12	open end
Connector type	plug	-
Configuration	straight	-
Contact type	male	-
Number of positions (face)	4-pin	4-wire
Coding	A-coded	-
Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Body colour	black	-
Body material	thermoplastic elastomer	-
Coupling nut material	1.4404 (stainless steel)	-
Seal	FPM	-
Contact carrier colour	red	-
Contact carrier material	PP GF, UL94	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn	-
Environmental data		
RoHS compliant	yes	-
Ambient temperature (operation)	-30...+105 °C, -22...+221 °F	-
Protection class	IP 65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

Cable

Electrical data	
Rated voltage	250 V
Operating voltage	≤ 250 V
Insulation resistance	≥ 10 GΩ * km
Test voltage	2000 V, 50 Hz, 5 min
Mechanical data	
Conductor construction (power)	42 x 0.10 mm
Cross section (power)	4 x 0.34 mm ² (AWG 22)
Min. bending radius, moved	8 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Weight	30.45 kg/km (20.5 lb/1000 ft)
Conductor material (power)	copper bare
Shielding	no
Use	Food and Beverage
Max. number of cycles	20 million
Wall thickness of wire insulation (signal/24V)	0.15 mm
Jacket colour	orange
Material jacket	PP (polypropylene)
Wire colour code	white, blue, black, brown
Wire insulation material	TPE (thermoplastic elastomer)
Printing colour	black
Environmental data	
Operation temperature range, moved	-40...+105 °C, -40...+221 °F
Operation temperature range, fixed installation	-50...+105 °C, -58...+221 °F
Flame-retardant	according to DIN VDE 0472, part 804, type of test B

Contact assembly	
1	braun/brown
2	weiß/white
3	blau/blue
4	schwarz/black

Dimensions



A1	49.00 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. The last three digits of the ordering information is the cable length in decimeters, e.g. ZKxxxx-xxxx-x020 = cable length 2.00 m

Ordering information	Length
ZK2000-6100-7050	5.00 m
ZK2000-6100-7100	10.00 m

Accessories	
ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0002	torque cable key, M12/wrench size 13, for ZB8801-0000

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