



ZK2000-6162-7xxx | Sensor cable, PP, 4 x 0.25 mm², fixed installation, food & beverage

M12, plug, straight, male, 4-pin, A-coded – M12, socket, straight, female, 4-pin, A-coded

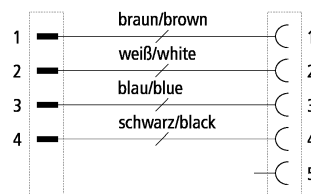
Plugs

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

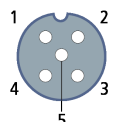
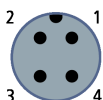
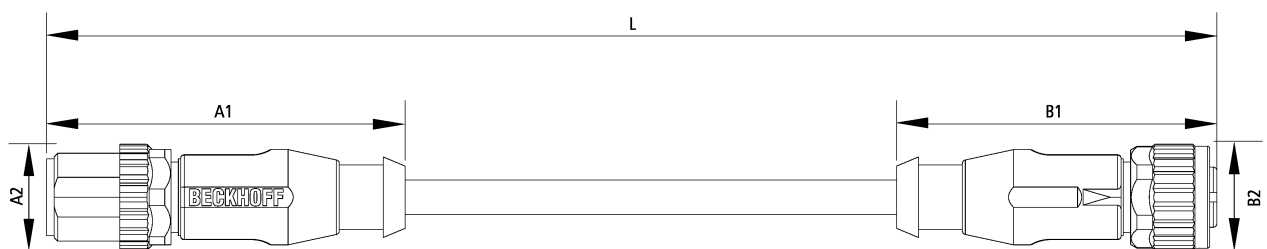
Cable

Electrical data	
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



Dimensions



A1	49.00 mm
B1	43.80 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. 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
ZK2000-6162-7050	5.00 m
ZK2000-6162-7100	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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