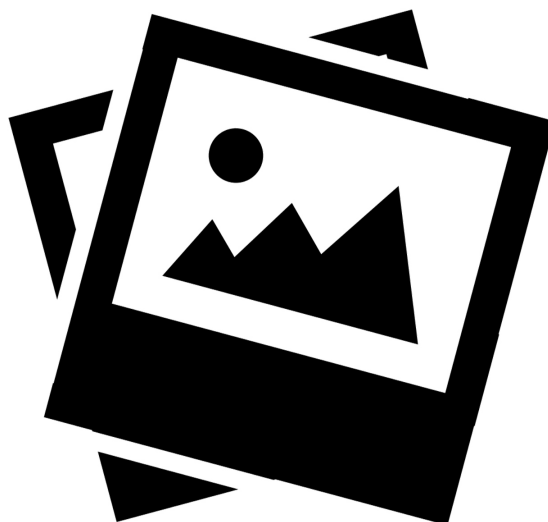# ZK2000-2121-3xxx | Sensor cable, PVC, 3 x 0.25 mm², fixed installation

M8, plug, straight, male, 3-pin, A-coded – M8, plug, straight, male, 3-pin, A-coded

Plugs

Electrical data	Head A	Head B
Rated voltage	60 V (according to IEC 61076-2-104)	60 V (according to IEC 61076-2-104)
Rated current (signal/24V)	4 A at 40 °C (acc.to IEC 61076-2-104)	4 A at 40 °C (acc.to IEC 61076-2-104)
Shielding	no	no
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)	≥ 10 GΩ (according to IEC 60512-2)
Mechanical data		
Installation size	M8	M8
Connector type	plug	plug
Configuration	straight	straight
Contact type	male	male
Number of positions (face)	3-pin	3-pin
Coding	A-coded	A-coded
Wire termination	crimp connection	crimp connection
Recommended torque, nut	0.4 Nm	0.4 Nm

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| Mating cycles	≥ 100 (according to IEC 60512-9a)	≥ 100 (according to IEC 60512-9a)
Way of locking	screw	screw
Weight per piece	0.028 kg (0.0617 lb)	0.028 kg (0.0617 lb)
Body color	black	black
Body material	TPU, UL94	TPU, UL94
Coupling nut material	CuZn, Ni	CuZn, Ni
Seal	FPM	FPM
Contact carrier color	red	red
Contact carrier material	TPU GF, UL 94	TPU GF, UL 94
Contact plating	Ni, Au gal.	Ni, Au gal.
Contact material	CuZn	CuZn
Environmental data		
Special features	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1
RoHS compliant	yes	yes
Ambient temperature (operation)	-30...+80 °C, -22...+176 °F	-30...+80 °C, -22...+176 °F
Protection rating	IP67 in screwed condition (according to IEC 60529)	IP67 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	≤ 300 V
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)
Wire resistance (signal/24V)	≤ 58.0 Ω/km (20 °C)
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (signal/24V)	32 x 0.10 mm
Cross-section	3 x 0.25 mm² (AWG24)
Min. bending radius, fixed installation	10 x outer cable diameter
Weight	29.45 kg/km (19.7 lb/1000 ft)
Outer cable diameter	4.4 mm ± 0.15 mm (0.173" ± 0.0059")
Shielding	no
Use	fixed installation
Jacket color	gray
Material jacket	PVC (polyvinyl chloride)

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Wire color code	brown, blue, black
Wire insulation material	PVC (polyvinyl chloride)
Printing color	white
Environmental data	
Operation temperature range, fixed installation	-25...+80 °C, -13...+176 °F
Flame-retardant	according to DIN EN 60332-2-2
Halogen-free	no

Contact assembly
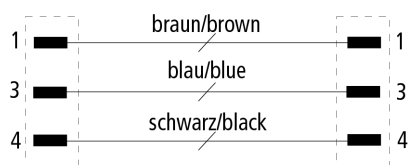
Dimensions
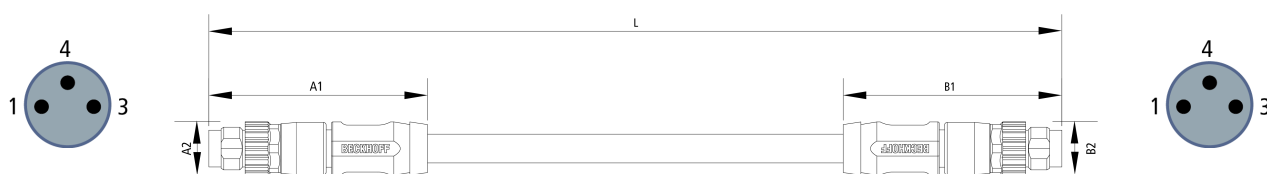
A1	39.60 mm
B1	39.60 mm

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.

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CE, UL	
CE	yes

Ordering information	Length
ZK2000-2121-3003	0.30 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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