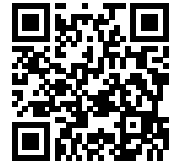
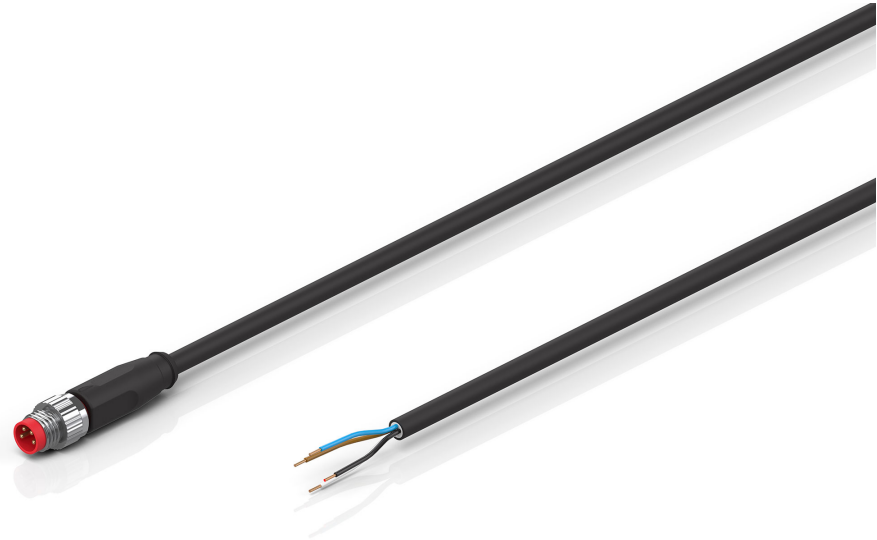


# ZK2000-3100-3xxx | Sensor cable, PVC, 4 x 0.25 mm<sup>2</sup>, fixed installation



M8, plug, straight, male, 4-pin, A-coded – open end, 4-wire



## Plugs

Electrical data	Head A	Head B
Rated voltage	30 V (according to IEC 61076-2-104)	-
Rated current	4 A at 40 °C (leaning on IEC 61076-2-104)	-
Shielding	no	-
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)	-
Mechanical data		
Installation size	M8	open end
Connector type	plug	-
Configuration	straight	-
Contact type	male	-
Number of positions (face)	4-pin	4-wire
Coding	A-coded	-
Recommended torque, nut	0.4 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-

Weight per piece	0.028 kg (0.0617 lb)	-
Body colour	black	-
Body material	TPU, UL94	-
Coupling nut material	CuZn, Ni	-
Seal	FPM	-
Contact carrier colour	red	-
Contact carrier material	TPU GF, UL 94	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn	-
<b>Environmental data</b>		
Special features	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1	-
RoHS compliant	yes	-
Ambient temperature (operation)	-30...+80 °C, -22...+176 °F	-
Protection class	IP 65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

## Cable

<b>Electrical data</b>		
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	
<b>Mechanical data</b>		
Conductor construction (signal/24V)	32 x 0.10 mm	
Cross section	4 x 0.25 mm <sup>2</sup> (AWG24)	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	33.45 kg/km (22.5 lb/1000 ft)	
Outer cable diameter	4.7 mm ± 0.15 mm (0.185" ± 0.0059")	
Shielding	no	
Use	fixed installation	
Jacket colour	grey	
Material jacket	PVC (polyvinyl chloride)	
Wire colour code	white, blue, black, brown	
Wire insulation material	PVC (polyvinyl chloride)	

Printing colour white

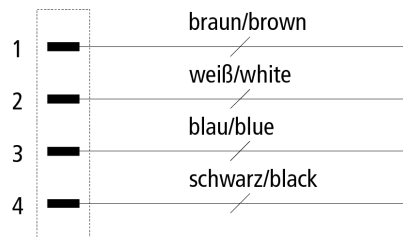
### Environmental data

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

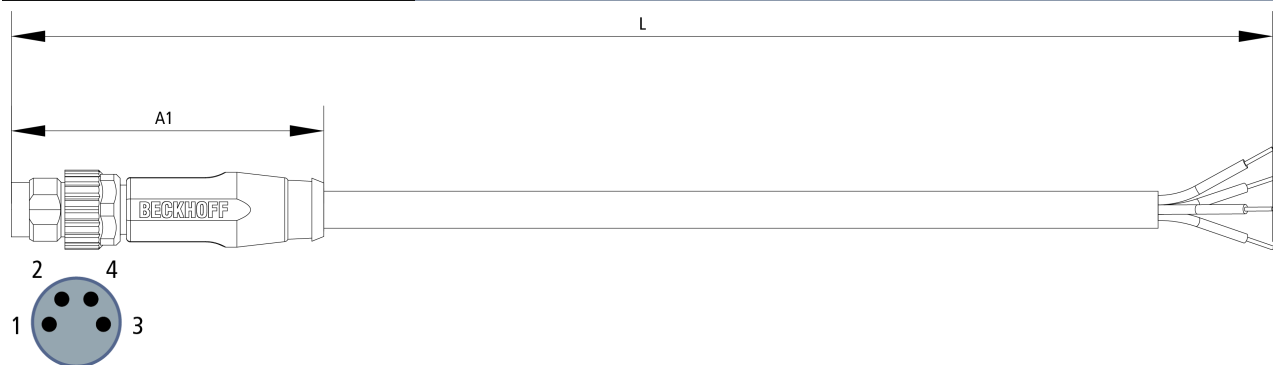
Flame-retardant according to DIN EN 60332-2-2

Halogen-free no

### Contact assembly



### Dimensions



A1 39.60 mm

## Notes

- Depending on the cable length (L), the following length tolerances apply:  
0 m...<0.2 m:  $\pm 10$  mm | 0.2...4.0 m: + 40 mm |  $\geq 4.0$  m: + 1 %
- Illustrations similar
- Further cable length on request.

### Ordering information

ZK2000-3100-3010 1.00 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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