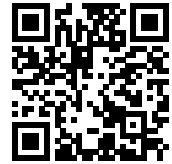
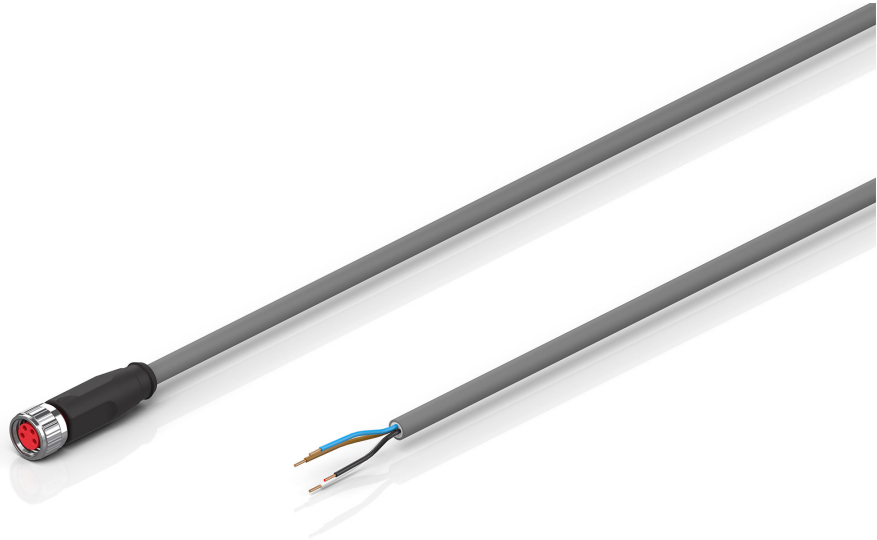


# ZK2000-3200-3xxx | Sensor cable, PVC, 4 x 0.25 mm<sup>2</sup>, fixed installation



M8, socket, straight, female, 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	socket	-
Configuration	straight	-
Contact type	female	-
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 color	black	-
Body material	TPU, UL94	-
Coupling nut material	CuZn, Ni	-
Seal	FPM	-
Contact carrier color	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 rating	IP65/67 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)	
Outer cable diameter	4.7 mm ± 0.15 mm (0.185" ± 0.0059")	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	33.45 kg/km (22.5 lb/1000 ft)	
Shielding	no	
Use	fixed installation	
Jacket color	gray	
Material jacket	PVC (polyvinyl chloride)	
Wire color code	white, blue, black, brown	
Wire insulation material	PVC (polyvinyl chloride)	

Printing color	white
----------------	-------

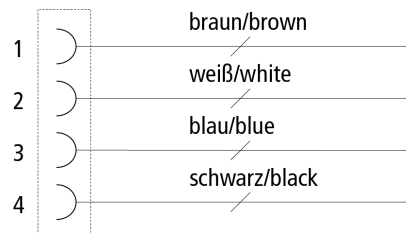
### Environmental data

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

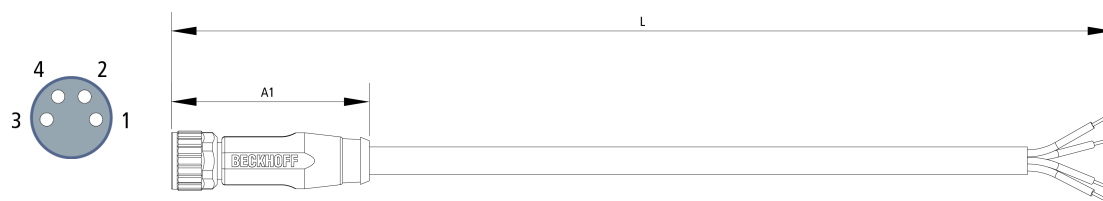
Flame-retardant	according to DIN EN 60332-2-2
-----------------	-------------------------------

Halogen-free	no
--------------	----

### Contact assembly



### Dimensions



A1	33.00 mm
----	----------

A2	19.20 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.

### Ordering information

#### Length

ZK2000-3200-3015	1.50 m
------------------	--------

### Accessories

ZB8801-0000	torque wrench for hexagonal plugs, adjustable
-------------	---

ZB8801-0001	torque cable key, M8/wrench size 9, for ZB8801-0000
-------------	---



Products marked with a crossed-out wheeled bin shall not be discarded with the normal waste stream. The device is considered as waste electrical and electronic equipment. The national regulations for the disposal of waste electrical and electronic equipment must be observed.

Beckhoff®, TwinCAT®, TwinCAT/BSD®, TC/BSD®, EtherCAT®, EtherCAT G®, EtherCAT G10®, EtherCAT P®, Safety over EtherCAT®, TwinSAFE®, XFC®, XTS® and XPlanar® are registered trademarks of and licensed by Beckhoff Automation GmbH. Other designations used in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owners.

© Beckhoff Automation GmbH & Co. KG 05/2023

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual application do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.