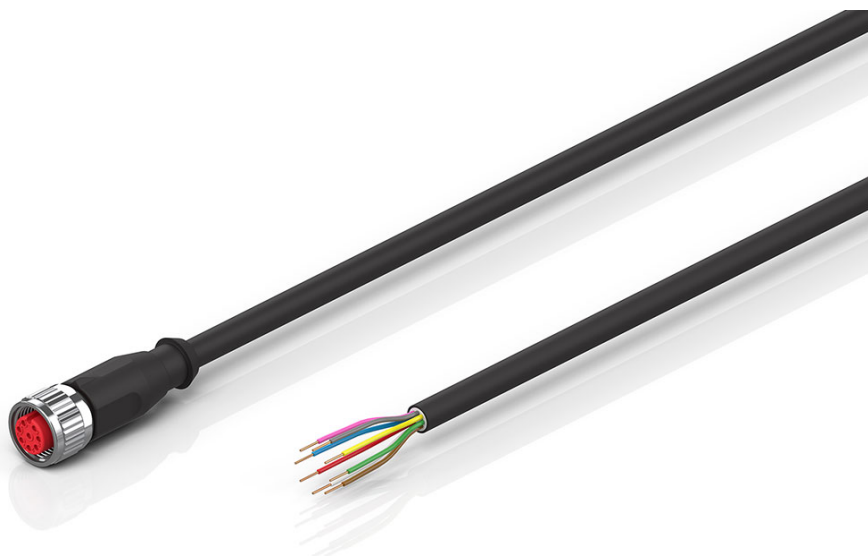


ZK2000-8200-0xxx | Sensor cable, PUR, 8 x 0.25 mm², drag-chain suitable



M12, socket, straight, female, 8-pin, A-coded – open end, 8-wire



Plugs

Electrical data	Head A	Head B
Rated voltage	30 V (according to IEC 61076-2-101)	-
Rated current	2 A at 40 °C (according to IEC 61076-2-101)	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	socket	-
Configuration	straight	-
Contact type	female	-
Number of positions (face)	8-pin	8-wire
Coding	A-coded	-
Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-

Weight per piece	0.046 kg (0.1014 lb)	-
Body color	metal	-
Body material	GD-Zn, Ni	-
Coupling nut material	GD-Zn, Ni	-
Seal	elastomers	-
O-ring	NBR	-
Contact carrier color	black	-
Contact carrier material	PBT, UL 94	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn	-
Environmental data		
RoHS compliant	yes	-
Ambient temperature (operation)	-30...+85 °C, -22...+185 °F	-
Protection rating	IP65/IP67 (according to EN 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

Cable

Electrical data		
Rated voltage	≤ 300 V	
Insulation resistance	≥ 1 GΩ * km	
Wire resistance (signal/24V)	≤ 78 Ω/km	
Test voltage	≥ 3000 V	
Mechanical data		
Conductor construction (signal/24V)	32 x 0.10 mm	
Cross-section (signal)	8 x 0.25 mm ² (AWG24)	
Outer cable diameter	6.6 mm ± 0.2mm (0.259" ± 0.0079")	
Min. bending radius, moved	10 x outer cable diameter	
Min. bending radius, fixed installation	3 x outer cable diameter	
Weight	61.0 kg/km (41.0 lb/1000 ft)	
Conductor material (signal/24V)	copper bare	
Shielding	no	
Optical covering factor of shielding (total)	no	
Use	drag-chain suitable	
Max. acceleration	10 m/s ²	
Max. speed	5 m/s	

Max. travel distance	5 m
Max. number of cycles	10 million
Jacket color	black gray (similar to RAL 7021)
Material jacket	PUR (polyurethane)
Wire color code	brown, green, yellow, gray, pink, blue, red, white
Wire insulation material	PP (polypropylene)
Printing color	white

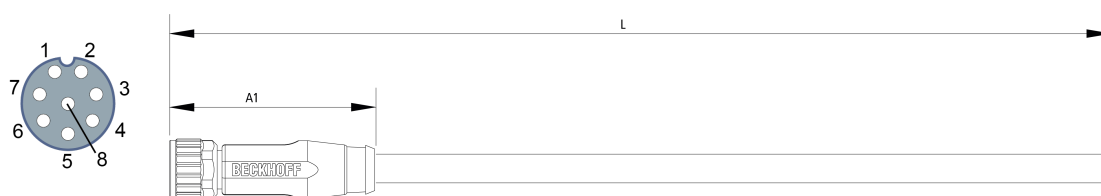
Environmental data

Operation temperature range, moved	-15...+80 °C, +5...+176 °F
Operation temperature range, fixed installation	-30...+80 °C, -22...+176 °F
Oil resistance	according to DIN EN 60811-2-1
Flame-retardant	according to AWM Style 20549 UL 758/1581 FT2
Halogen-free	according to DIN VDE 0472 part 815, DIN EN 50267-2-1
CE	yes
UL	yes, UL E-file number in preparation

Contact assembly

1	Weiß/white
2	Braun/brown
3	Grün/green
4	Gelb/yellow
5	Grau/grey
6	Rosa/pink
7	Blau/blue
8	Rot/red

Dimensions



A1	44,0 mm
A2	Ø14.50 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.

CE, UL	
UL	yes, UL E-file number: E480185

Ordering information	Length
ZK2000-8200-0020	2.00 m
ZK2000-8200-0030	3.00 m
ZK2000-8200-0040	4.00 m
ZK2000-8200-0050	5.00 m
ZK2000-8200-0100	10.00 m
ZK2000-8200-0300	30.00 m

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

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