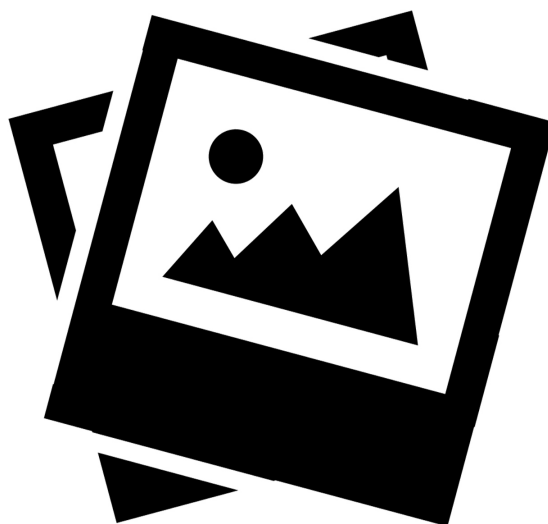


# ZK2000-8600-0xxx | Sensor cable, PUR, 8 x 0.25 mm<sup>2</sup>, drag-chain suitable



M12, flange, 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)	-
Shielding	no	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	flange	-
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	-
Coupling nut material	GD-Zn, Ni	-
Seal	elastomers	-
O-ring	NBR	-
Contact carrier color	black	-
Contact carrier material	PA, UL 94	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn	-
<b>Environmental data</b>		
RoHS compliant	yes	-
Ambient temperature (operation)	-30...+85 °C, -22...+185 °F	-
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

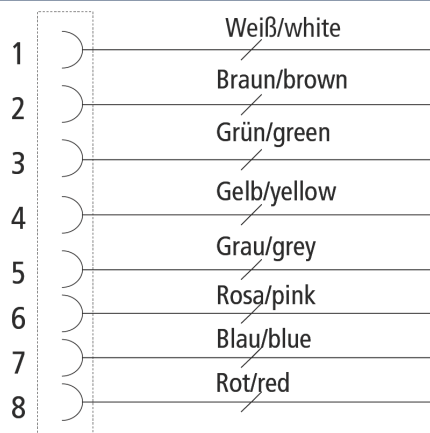
## Cable

<b>Electrical data</b>		
Rated voltage	≤ 300 V	
Insulation resistance	≥ 1 GΩ * km	
Wire resistance (signal/24V)	≤ 78 Ω/km	
Test voltage	≥ 3000 V	
<b>Mechanical data</b>		
Conductor construction (signal/24V)	32 x 0.10 mm	
Cross-section (signal)	8 x 0.25 mm <sup>2</sup> (AWG24)	
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)	
Outer cable diameter	6.6 mm ± 0.2mm (0.259" ± 0.0079")	
Conductor material (signal/24V)	copper bare	
Shielding	no	
Optical covering factor of shielding (total)	no	
Use	drag-chain suitable	
Max. acceleration	10 m/s <sup>2</sup>	
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



### Dimensions



A1	20.50 mm
A2	M12 inner diameter, M16 outer diameter

## 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.

CE, UL	
CE	yes

Ordering information	Length
ZK2000-8600-0020	2.00 m
ZK2000-8600-0030	3.00 m



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