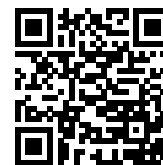
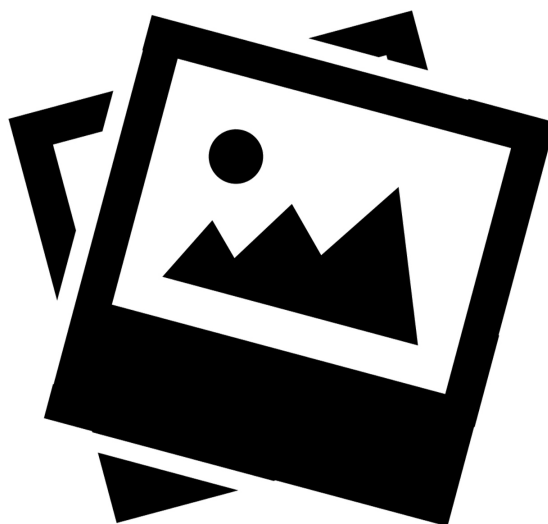


# ZK2000-6700-0xxx | Sensor cable, PUR, 4 x 0.34 mm<sup>2</sup>, drag-chain suitable



M12, flange rear assembly, straight, male, 4-pin, A-coded – open end, 4-wire



## Plugs

Electrical data	Head A	Head B
Rated voltage	250 V (according to IEC 61076-2-101)	-
Rated current	4 A at 40 °C (according to IEC 61076-2-101)	-
Rated impulse voltage	1.5 kV	-
Shielding	no	-
Contact resistance	< 10 mΩ	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	flange rear assembly	-
Configuration	straight	-
Contact type	male	-
Number of positions (face)	4-pin	4-wire
Coding	A-coded	-

Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Seal	FPM	-
Contact carrier color	red	-
Contact carrier material	PA, UL 94 V-0	-
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...+85 °C, -22...+185 °F	-
Protection class	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 * km	
Wire resistance (signal/24V)	≤ 58.0 Ω/km (20 °C)	
Test voltage	≥ 3000 V	
<b>Mechanical data</b>		
Conductor construction (power)	42 x 0.10 mm	
Cross-section	4 x 0.34 mm <sup>2</sup> (AWG 22)	
Min. bending radius, moved	6 x outer cable diameter	
Min. bending radius, moved in drag-chain	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	31 kg/km (20.8 lb/1000 ft)	
Outer cable diameter	4.7 mm ± 0.15 mm (0.185" ± 0.0059")	
Shielding	no	
Use	drag-chain suitable	
Max. acceleration	10 m/s <sup>2</sup>	
Max. speed	5 m/s	
Max. number of cycles	10 million at max. 20 m travel distance, 2 million at max. 100 m travel distance	

Wall thickness of wire insulation (power)  $\geq 0.21$  mm

Jacket color black

Material jacket PUR (polyurethane)

Wire color code white, blue, black, brown

Wire insulation material PP (polypropylene)

Printing on the jacket Li9Y11Y 4x0,34mm<sup>2</sup> E242293 (cULus-Symbol) AWM STYLE 20549 80C 300V AWM I A/B 80C 300V FT2

Printing color white

#### Environmental data

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

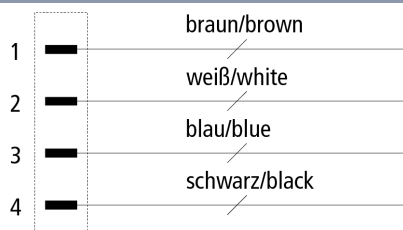
Flame-retardant according to DIN EN 60332-2-2

Halogen-free DIN VDE 0472 part 815

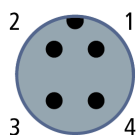
CE yes

UL yes, UL E-file number: E242293

#### Contact assembly



#### Dimensions



## 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
ZK2000-6700-0002	0.20 m



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