

# ZK2000-6162-3xxx | Sensor cable, PVC, 4 x 0.34 mm<sup>2</sup>, fixed installation



M12, plug, straight, male, 4-pin, A-coded – M12, socket, straight, female, 4-pin, A-coded



## Plugs

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

Coding	A-coded	A-coded
Recommended torque, nut	0.6 Nm	0.6 Nm
Mating cycles	≥ 100 (according to IEC 60512-9a)	≥ 100 (according to IEC 60512-9a)
Way of locking	screw	screw
Body color	black	black
Body material	TPU, UL 94	TPU, UL 94
Coupling nut material	GD-Zn, Ni	GD-Zn, Ni
Seal	FPM	FPM
Contact carrier color	red	red
Contact carrier material	PA, UL 94 V-0	PA 6, UL 94 V0
Contact plating	Ni, Au gal.	Ni, Au gal.
Contact material	CuZn	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	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1
RoHS compliant	yes	yes
Ambient temperature (operation)	-30...+85 °C, -22...+185 °F	-30...+85 °C, -22...+185 °F
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	IP65/67 in screwed condition (according to IEC 60529)
Pollution level	3/2 (according to IEC 60664-1)	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 (power)	≤ 58.0 Ω/km	
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)	
Outer cable diameter	4.7 mm ± 0.15 mm (0.185" ± 0.0059")	
Min. bending radius, fixed installation	10 x outer cable diameter	
Weight	31 kg/km (20.8 lb/1000 ft)	
Shielding	no	
Use	fixed installation	
Wall thickness of wire insulation (power)	≥ 0.21 mm	

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

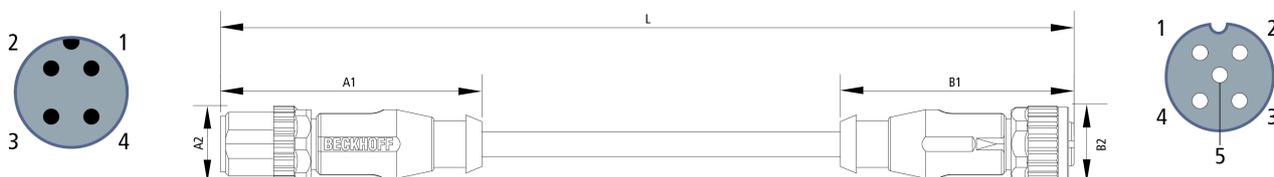
Operation temperature range, fixed installation -25...+80 °C, -13...+176 °F

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

### Contact assembly



### Dimensions



A1 49.00 mm

A2 14.50 mm

B1 44.00 mm

B2 14.50 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.

Ordering information	Length
ZK2000-6162-3600	60.00 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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