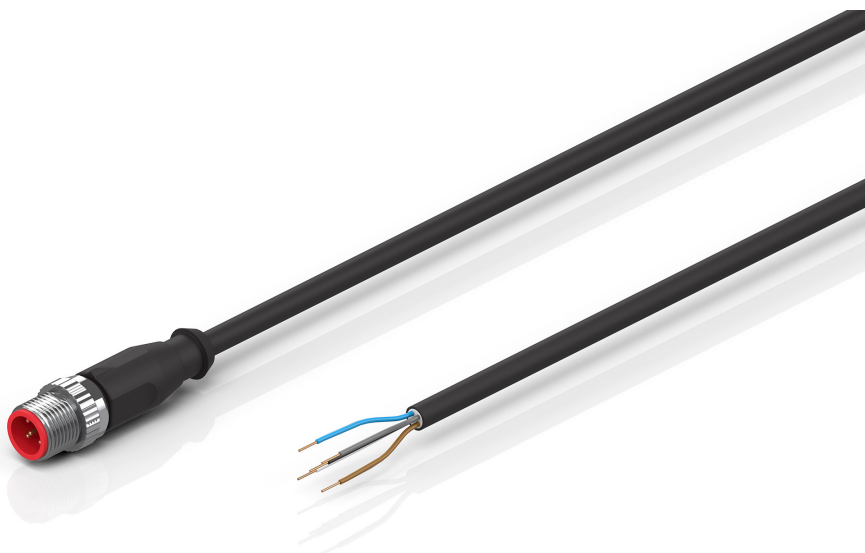


ZK2000-5100-1xxx | Sensor cable, PUR, 5 x 0.25 mm², fixed installation, shielded



M12, plug, straight, male, 5-pin, A-coded – open end, 5-wire + shielding



Plugs

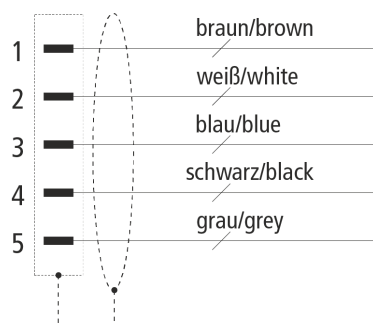
Electrical data	Head A	Head B
Rated voltage	60 V (according to IEC 61076-2-101)	-
Rated current	4 A at 40 °C (according to IEC 61076-2-101)	-
Shielding	yes	-
Contact resistance	< 10 mΩ	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	plug	-
Configuration	straight	-
Contact type	male	-
Number of positions (face)	5-pin	5-wire + shielding
Coding	A-coded	-
Recommended torque, nut	0.6 Nm	-

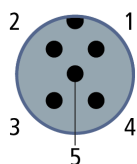
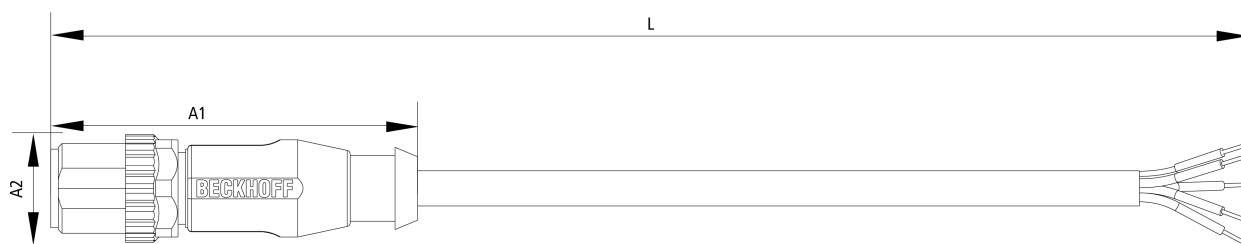
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Weight per piece	0.023 kg (0.0507 lb)	-
Body colour	black	-
Body material	TPU, UL 94 HB	-
Coupling nut material	GD-Zn, Ni	-
Seal	FPM	-
Contact carrier colour	red	-
Contact carrier material	PA, UL 94 V-0	-
Contact material	CuZn, Ni b/Au 0.2 gal.	-
Environmental data		
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	IP 65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

Cable

Electrical data		
Rated voltage	300 V	
Operating voltage	≤ 300 V	
Wire resistance	≤ 78 Ω/km (20 °C)	
Test voltage	≥ 3000 V	
Mechanical data		
Cross section (power)	5 x 0.25 mm ² (AWG24)	
Cross section (signal)	5 x 0.25 mm ² (AWG24)	
Min. bending radius, moved	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	41 kg/km (27.84 lb/1000 ft)	
Outer cable diameter	5.4 mm ± 0.2 mm (0.213" ±0.0079")	
Shielding	braiding of tinned copper wires	
Optical covering factor of shielding	≥ 85%	
Use	fixed installation	
Jacket colour	black	

Material jacket	PUR (polyurethane)
Wire colour code	brown, white, blue, black, grey
Wire insulation material	PP (polypropylene)
Printing colour	white
Environmental data	
Operation temperature range, fixed installation	-30...+80 °C, -22...+176 °F
Oil resistance	according to DIN EN 60811-2-1
Special features	Hydrolysis and microbe-resistant, low adhesion
Flame-retardant	according to cULus 20549
Halogen-free	DIN VDE 0472 part 815
RoHS compliant	yes

Contact assembly**Dimensions**



A1	49.00 mm
A2	20.00 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
ZK2000-5100-1030	3.00 m
ZK2000-5100-1050	5.00 m

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

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