



ZK2000-2400-0xxx | Sensor cable, PUR, 3 x 0.25 mm², drag-chain suitable

M8, socket, angled, female, 3-pin, A-coded – open end, 3-wire

Plugs

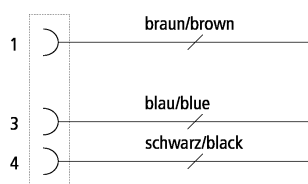
Electrical data	Head A	Head B
Rated voltage	60 V (according to IEC 61076-2-104)	-
Rated current (signal/24V)	4 A at 40 °C (acc.to IEC 61076-2-104)	-
Shielding	no	-
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)	-
Mechanical data		
Installation size	M8	open end
Connector type	socket	-
Configuration	angled	-
Contact type	female	-
Number of positions (face)	3-pin	3-wire
Coding	A-coded	-
Wire termination	crimp connection	-
Recommended torque, nut	0.4 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Weight per piece	0.028 kg (0.0617 lb)	-
Body colour	black	-
Body material	TPU, UL94	-
Coupling nut material	CuZn, Ni	-
Seal	FPM	-
Contact carrier colour	red	-
Contact carrier material	TPU GF, UL 94	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn	-
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...+80 °C, -22...+176 °F	-
Protection class	IP 67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

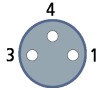
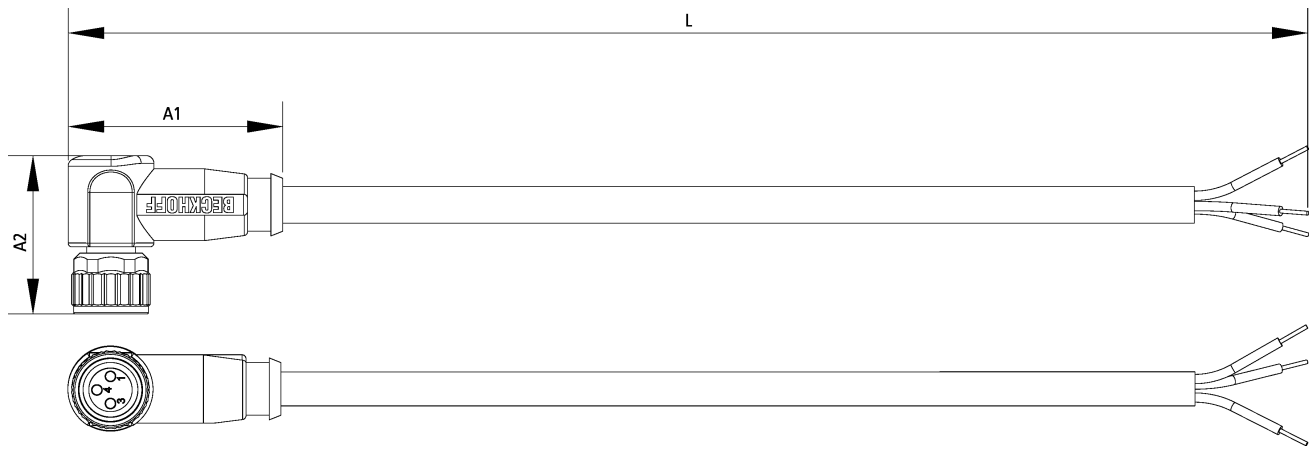
Cable

Electrical data	
Rated voltage	≤ 300 V
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)
Wire resistance (signal/24V)	≤ 58.0 Ω/km (20 °C)
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (signal/24V)	32 x 0.10 mm
Cross section	3 x 0.25 mm ² (AWG24)
Min. bending radius, moved	6 x outer cable diameter
Weight	28 kg/km (18.8 lb/1000 ft)
Outer cable diameter	4.4 mm ± 0.15 mm (0.173" ± 0.0059")
Shielding	no
Use	drag-chain suitable
Max. acceleration	10 m/s ²
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
Jacket colour	black
Material jacket	PUR (polyurethane)
Wire colour code	brown, blue, black
Wire insulation material	PP (polypropylene)
Printing colour	white
Environmental data	
Operation temperature range, moved	-25...+80 °C, -13...+176 °F
Oil resistance	Oil and greases resistant
Flame-retardant	according to cULus 20549
Halogen-free	DIN VDE 0472 part 815
Approvals	UL Listed: FILE E480185

Contact assembly



Dimensions



A1	27.50 mm
A2	20.30 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. The last three digits of the ordering information is the cable length in decimeters, e.g. ZKxxxx-xxxx-x020 = cable length 2.00 m

Ordering information	Length
ZK2000-2400-0010	1.00 m
ZK2000-2400-0020	2.00 m
ZK2000-2400-0030	3.00 m
ZK2000-2400-0050	5.00 m
ZK2000-2400-0075	7.50 m
ZK2000-2400-0100	10.00 m

Accessories	
ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0001	torque cable key, M8/wrench size 9, for ZB8801-0000

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