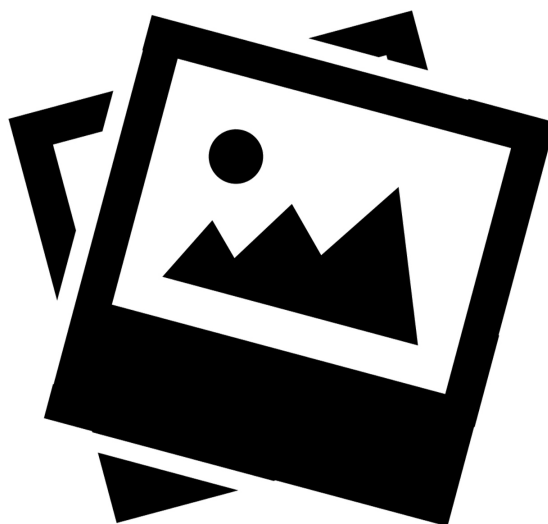


# ZK2000-5400-1xxx | Sensor cable, PUR, 5 x 0.25 mm<sup>2</sup>, fixed installation, shielded



M12, socket, angled, female, 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	socket	-
Configuration	angled	-
Contact type	female	-
Number of positions (face)	5-pin	5-wire + shielding
Coding	A-coded	-
Recommended torque, nut	0.6 Nm	-

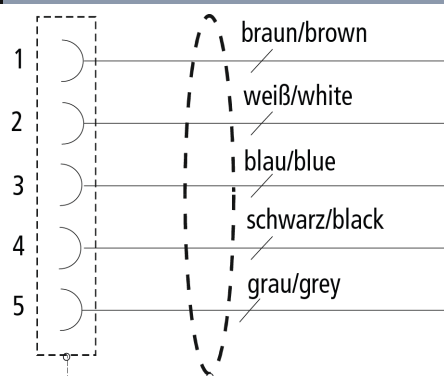
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Weight per piece	0.023 kg (0.0507 lb)	-
Body color	black	-
Body material	TPU, UL 94 HB	-
Coupling nut material	GD-Zn, Ni	-
Seal	FPM	-
Contact carrier color	red	-
Contact carrier material	PA, UL 94 V-0	-
Contact material	CuZn, Ni b/Au 0.2 gal.	-
<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 rating	IP65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

## Cable

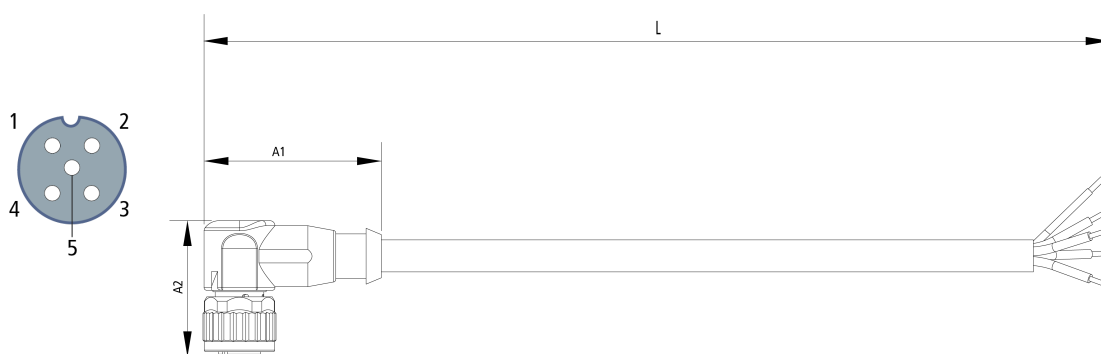
<b>Electrical data</b>		
Rated voltage	300 V	
Operating voltage	≤ 300 V	
Wire resistance	≤ 78 Ω/km (20 °C)	
Test voltage	≥ 3000 V	
<b>Mechanical data</b>		
Cross-section (power)	5 x 0.25 mm <sup>2</sup> (AWG24)	
Cross-section (signal)	5 x 0.25 mm <sup>2</sup> (AWG24)	
Min. bending radius, moved	10 x 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 color	black	

Material jacket	PUR (polyurethane)
Wire color code	brown, white, blue, black, gray
Wire insulation material	PP (polypropylene)
Printing color	white
<b>Environmental data</b>	
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
CE	yes
UL	yes, UL E-file number: E242293

### Contact assembly



### Dimensions



A1 35.00 mm

A2 26.80 mm

## 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
UL	no, UL certification in preparation

Ordering information	Length
ZK2000-5400-1050	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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