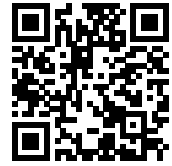
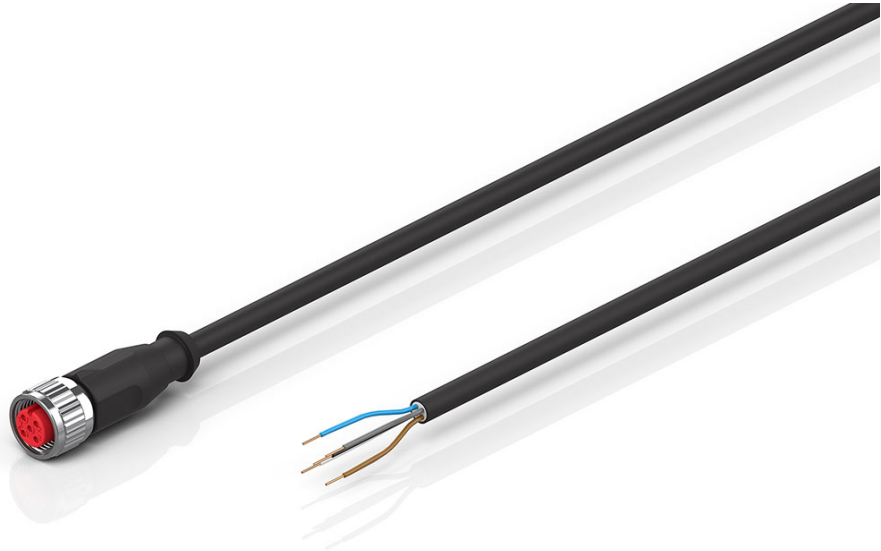


ZK2000-5200-1xxx | Sensor cable, PUR, 5 x 0.25 mm², fixed installation, shielded



M12, socket, straight, 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	straight	-
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 plating	Ni, Au gal.	-
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 rating	IP65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

Cable

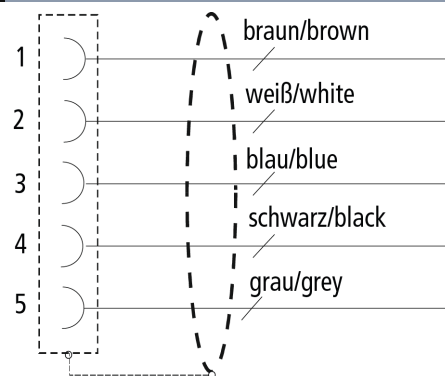
Electrical data		
Rated voltage	300 V	
Operating voltage	≤ 300 V	
Wire resistance	≤ 78 Ω/km (20 °C)	
Test voltage	≥ 3000 V	
Mechanical data		
Cross-section (power)	5 x 0.25 mm ² (AWG24)	
Cross-section (signal)	5 x 0.25 mm ² (AWG24)	
Outer cable diameter	5.4 mm ± 0.2 mm (0.213" ± 0.0079")	
Min. bending 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)	
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

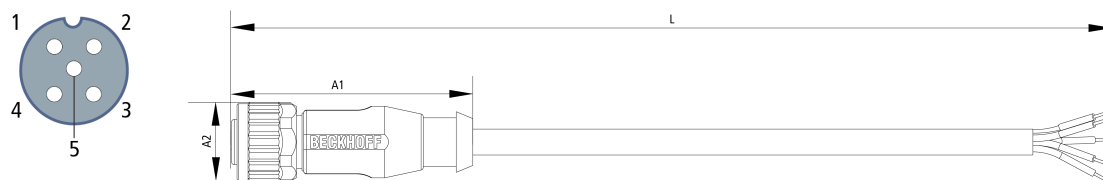
Environmental data

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
CE	yes
UL	yes, UL E-file number: E242293

Contact assembly



Dimensions



A1	44.0 mm
A2	Ø 14.5 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.

CE, UL

UL yes, UL E-file number: E480185

Ordering information

Length

ZK2000-5200-1100	10.00 m
ZK2000-5200-1150	15.00 m
ZK2000-5200-1200	20.00 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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