ZK2000-7400-0xxx | Sensor cable, PUR, 4 x 0.34 mm², drag-chain suitable

M12, socket, angled, female, 5-pin, A-coded – open end, 4-wire + strand and 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	4-wire + strand and shielding
Coding	A-coded	-
Recommended torque, nut	0.6 Nm	-

Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Weight	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.	-
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

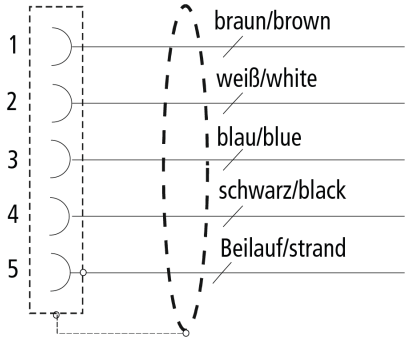
Electrical data	
Rated voltage	≤ 300 V
Insulation resistance	10 MΩ * km
Wire resistance (signal/24V)	≤ 58.0 Ω/km (20°C)
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (signal/24V)	42 x 0.10 mm
Cross-section (power)	4 x 0.34 mm² (AWG22) and shield
Cross-section (signal)	4 x 0.34 mm² (AWG22) and shield
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	45 kg/km (30.24 lb/1000 ft)
Shielding	aluminum-clad foil, braiding of tinned copper wires
Optical covering factor of shielding	≥ 85%
Use	drag-chain suitable

Max. acceleration	5 m/s²
Max. speed	1.6 m/s
Max. travel distance	5 m (horizontal with 5 m/s²), 2 m (vertical with 5 m/s²)
Max. number of cycles	2 million
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	brown, white, blue, black
Wire insulation material	PP (polypropylene)
Printing color	white

Environmental data

Operation temperature range, moved	-30...+80°C, -22...+176°F
Flame-retardant	according to UL 758/1581 (cUL-FT2)
Halogen-free	according to DIN VDE 0472 part 815
CE	yes
UL	yes, UL E-file number: E257058

Pin assignment



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: ± 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
ZK2000-7400-0100	10.00 m

Further length on request

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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