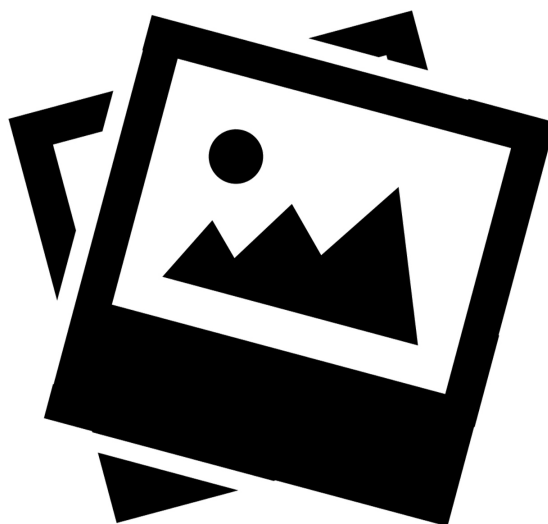


ZK4000-6300-2xxx | Motor connection cable 0.5 mm² with M12 plug, drag-chain suitable



M12, plug, angled, male, 4-pin, A-coded – open end, 4-wire



Plugs

Electrical data	Head A	Head B
Rated voltage	250 V (according to IEC 61076-2-101)	-
Rated current	5 A at 40 °C	-
Rated impulse voltage	1.5 kV	-
Shielding	no	-
Contact resistance	< 10 mΩ	-
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)	-
Mechanical data		
Installation size	M12	open end
Connector type	plug	-
Configuration	angled	-
Contact type	male	-
Number of positions (face)	4-pin	4-wire
Coding	A-coded	-
Recommended torque, nut	0.6 Nm	-

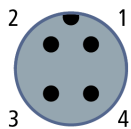
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Body color	black	-
Body material	TPU, self-extinguishing	-
Coupling nut material	CuZn, Ni	-
Seal	FPM	-
Contact carrier color	red	-
Contact carrier material	TPU GF, UL 94	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn	-
Environmental 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...+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	
Insulation resistance	≥ 1 GΩ * km	
Wire resistance	≤ 39 Ω/km (20 °C)	
Wire resistance (signal/24V)	ca. 39 Ω/km	
Test voltage	≥ 3000 V	
Mechanical data		
Conductor construction	28 x 0.15 mm	
Cross-section	4 x 0.5 mm ² (AWG20)	
Cross-section (power)	4 x 0.5 mm ² (AWG20)	
Min. bending radius, moved	10 x outer cable diameter	
Weight	42 kg/km (28.22 lb/1000 ft)	
Outer cable diameter	5.35 ± 0.15 mm	
Conductor material	copper bare	
Shielding	no	

Use	drag-chain suitable
Max. acceleration	10 m/s ²
Max. speed	3 m/s
Max. number of cycles	4 million
Wall thickness of wire insulation	≥ 0.21 mm
Jacket color	orange
Material jacket	PUR (polyurethane)
Wire color code	brown, white, blue, black
Wire insulation material	PP (polypropylene)
Printing color	black
Environmental data	
Operation temperature range, moved	-15...+80 °C, +5...+176 °F
Operation temperature range, fixed installation	-30...+80 °C, -22...+176 °F

Dimensions



A1	35.00 mm
A2	32.00 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.

CE, UL

CE	yes
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Ordering information

	Length
ZK4000-6300-2050	5.00 m
ZK4000-6300-2100	10.00 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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