

ZK2030-1200-0xxx | Power cable, PUR, 5 x 1.5 mm², drag-chain suitable



7/8"-16 UN, socket, straight, female, 5-pin, A-coded – open end, 5-wire



Plugs

Electrical data	Head A	Head B
Rated voltage	300 V (according to IEC 60664-1)	-
Rated current	12 A at 40°C (according to IEC 60512-3), 10 A (according to UL2238)	-
Rated impulse voltage	2.5 kV	-
Shielding	no	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	7/8"-16 UN	open end
Connector type	socket	-
Configuration	straight	-
Contact type	female	-
Number of positions (face)	5-pin	5-wire
Coding	A-coded	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-

Way of locking	screw	-
Body color	black	-
Body material	TPU, UL 94	-
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)	-40...+85°C, -40...+185°F	-
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

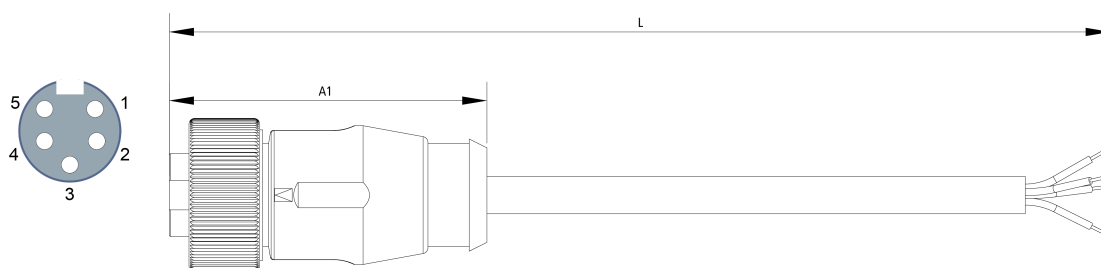
Cable

Electrical data		
Rated voltage	≤ 300 V	
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)	
Wire resistance (power)	≤ 13.3 Ω/km (DIN EN 50395)	
Test voltage	≥ 3000 V	
Mechanical data		
Conductor construction (power)	84 x 0.15 mm	
Cross-section	5 x 1.5 mm ² (approx. AWG16)	
Outer cable diameter	7.8 mm ± 0.2 mm (0.3071" ± 0.0079")	
Min. bending radius, moved	6 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	112.19 kg/km (75.39 lb/1000 ft)	
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	

Wall thickness of wire insulation (power)	0.26 mm
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	brown, white, black, blue, gray
Wire insulation material	PP (polypropylene)
Printing color	white
Environmental data	
Operation temperature range, moved	-25...+80°C, -13...+176°F
Flame-retardant	according to cULus 20549
Halogen-free	DIN VDE 0472 part 815
UL	yes, UL E-file number: E242293

Contact assembly

1	schwarz/black
2	blau/blue
3	grau/grey
4	braun/brown
5	weiß/white

Dimensions

A1	53.90 mm
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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.

Ordering information

Ordering information	Length
ZK2030-1200-0010	1.00 m

ZK2030-1200-0020	2.00 m
ZK2030-1200-0030	3.00 m
ZK2030-1200-0050	5.00 m
ZK2030-1200-0100	10.00 m
ZK2030-1200-0110	11.00 m
ZK2030-1200-0120	12.00 m
ZK2030-1200-0130	13.00 m
ZK2030-1200-0150	15.00 m
ZK2030-1200-0170	17.00 m
ZK2030-1200-0190	19.00 m
ZK2030-1200-0200	20.00 m
ZK2030-1200-0210	21.00 m
ZK2030-1200-0250	25.00 m
ZK2030-1200-0300	30.00 m
ZK2030-1200-0400	40.00 m
ZK2030-1200-0500	50.00 m
ZK2030-1200-0999	100 m



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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