

ZK2030-1112-0xxx | Power cable, PUR, 5 x 1.5 mm², drag-chain suitable



7/8"-16 UN, plug, straight, male, 5-pin, A-coded – 7/8"-16 UN, socket, straight, female, 5-pin, A-coded



Plugs

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

Mating cycles	≥ 100 (according to IEC 60512-9a)	≥ 100 (according to IEC 60512-9a)
Way of locking	screw	screw
Body color	black	black
Body material	PA6 GF, UL 94	TPU, UL 94
Coupling nut material	CuZn, Ni	CuZn, Ni
Seal	elastomers	FPM
Contact carrier color	red	red
Contact carrier material	PA 6 GF, UL 94 V-0	TPU GF, UL 94
Contact plating	Ni, Au gal.	Ni, Au gal.
Contact material	CuZn	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	yes
Ambient temperature (operation)	-40...+85°C, -40...+185°F	-40...+85°C, -40...+185°F
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	IP65/67 in screwed condition (according to IEC 60529)
Pollution level	3/2 (according to IEC 60664-1)	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	1
2	blau/blue	2
3	grau/grey	3
4	braun/brown	4
5	weiß/white	5

Dimensions	
A1	55.00 mm
A2	26.00 mm
B1	53.90 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.

Ordering information	Length
ZK2030-1112-0002	0.20 m
ZK2030-1112-0003	0.30 m
ZK2030-1112-0005	0.50 m
ZK2030-1112-0010	1.00 m
ZK2030-1112-0015	1.50 m
ZK2030-1112-0020	2.00 m
ZK2030-1112-0030	3.00 m
ZK2030-1112-0040	4.00 m
ZK2030-1112-0050	5.00 m
ZK2030-1112-0060	6.00 m
ZK2030-1112-0070	7.00 m
ZK2030-1112-0100	10.00 m
ZK2030-1112-0120	12.00 m
ZK2030-1112-0150	15.00 m
ZK2030-1112-0200	20.00 m
ZK2030-1112-0300	30.00 m
ZK2030-1112-0400	40.00 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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