

# ZK2031-1112-0xxx | Power cable, PUR, 5 x 2.5 mm<sup>2</sup>, 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	16 A at 40°C (according to IEC 60512-3), 12 A (according to UL2238)	16 A at 40°C (according to IEC 60512-3), 12 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
<b>Environmental data</b>		
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

<b>Electrical data</b>		
Rated voltage	≤ 300 V	
Insulation resistance	≥ 10 GΩ * km	
Wire resistance (power)	≤ 8 Ω/km	
Test voltage	≥ 3000 V	
<b>Mechanical data</b>		
Conductor construction (power)	141 x 0.15 mm	
Cross-section	5 x 2.5 mm <sup>2</sup> (approx. AWG14)	
Outer cable diameter	9.1 mm ± 0.2 mm (0.3583" ± 0.0079")	
Min. bending radius, moved	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	168 kg/km (112.89 lb/1000 ft)	
Conductor material (power)	copper bare	
Use	drag-chain suitable	
Max. acceleration	10 m/s <sup>2</sup>	
Max. speed	3 m/s	

Max. travel distance	10 m
Max. number of cycles	4 million
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	brown, white, black, blue, gray
Wire insulation material	PP (polypropylene)
Printing color	white

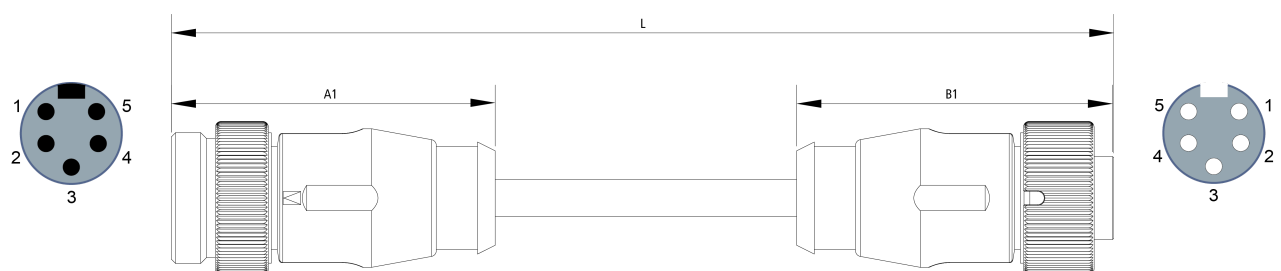
### Environmental data

Operation temperature range, moved	-25...+80°C, -13...+176°F
Oil resistance	168 h 100°C (according to DIN EN 60811-2-1)
Flame-retardant	according to UL 758/1581 (cUL-FT2)
Halogen-free	DIN VDE 0472 part 815

### Contact assembly

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

### Dimensions



A1	78.00 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
ZK2031-1112-0010	1.00 m
ZK2031-1112-0020	2.00 m
ZK2031-1112-0030	3.00 m
ZK2031-1112-0050	5.00 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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