

ZK2030-1314-0xxx | Power cable, PUR, 5 x 1.5 mm², drag-chain suitable



7/8"-16 UN, plug, angled, male, 5-pin, A-coded – 7/8"-16 UN, socket, angled, 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	angled	angled
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	TPU, UL 94	TPU, UL 94
Coupling nut material	CuZn, Ni	CuZn, Ni
Seal	FPM	FPM
Contact carrier color	red	red
Contact carrier material	TPU GF, UL 94	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	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)	-30...+80°C, -22...+176°F	-30...+80°C, -22...+176°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	

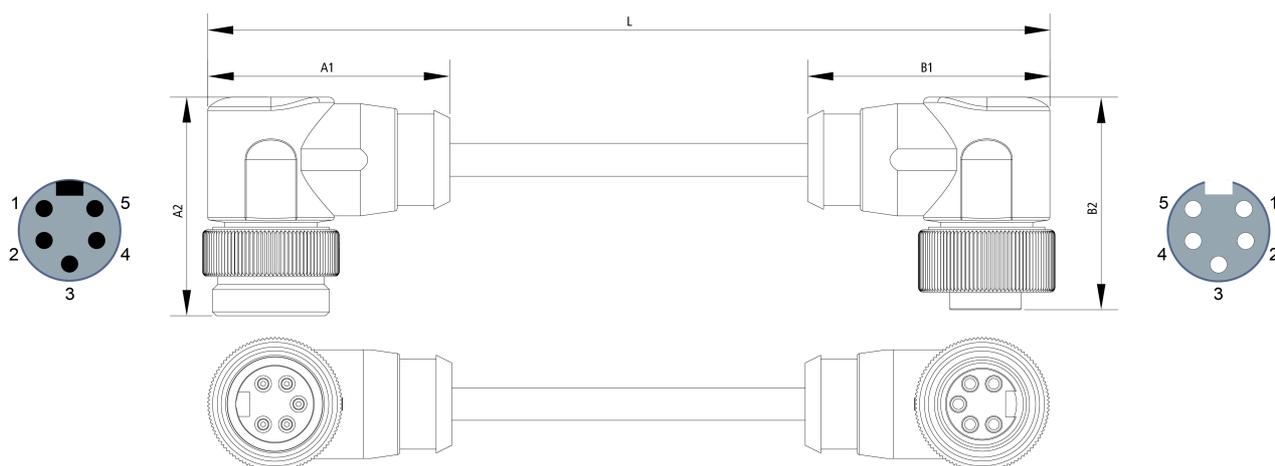
Max. number of cycles	10 million at max. 20 m travel distance, 2 million at max. 100 m travel distance
Wall thickness of wire insulation (power)	0.26 mm
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	brown, white, black, blue, gray
Wire insulation material	PP (polypropylene)
Printing 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	45.60 mm
A2	41.90 mm
B1	45.60 mm
B2	40.90 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
ZK2030-1314-0003	0.30 m
ZK2030-1314-0005	0.50 m
ZK2030-1314-0010	1.00 m
ZK2030-1314-0030	3.00 m
ZK2030-1314-0050	5.00 m
ZK2030-1314-0100	10.00 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.

Beckhoff®, TwinCAT®, TwinCAT/BSD®, TC/BSD®, EtherCAT®, EtherCAT G®, EtherCAT G10®, EtherCAT P®, Safety over EtherCAT®, TwinSAFE®, XFC®, XTS® and XPlanar® are registered trademarks of and licensed by Beckhoff Automation GmbH. Other designations used in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owners.

© Beckhoff Automation GmbH & Co. KG 02/2024

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual application do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.