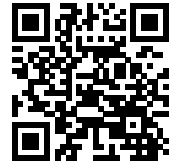


# ZK2053-5400-0xxx | Power cable, PUR, drag-chain suitable, 5 G 0.75 mm<sup>2</sup>



M12, socket, angled, female, 5-pin, L-coded – open end, 5-wire



## Plugs

Electrical data	Head A	Head B
Rated voltage	63 V (according to IEC 61076-2-111)	-
Rated current	8 A at 40°C (according to IEC 61076-2-111)	-
Shielding	no	-
Contact resistance	< 10 mΩ	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	socket	-
Configuration	angled	-
Contact type	female	-
Number of positions (face)	5-pin	5-wire
Coding	L-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, UL94 HB	-
Coupling nut material	GD-Zn, Ni	-
Seal	FPM	-
Contact carrier color	black	-
Contact carrier material	PC UL 94 V-0	-
Contact material	CuZn, Ni b/Au 0.2 gal.	-
<b>Environmental data</b>		
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)	-

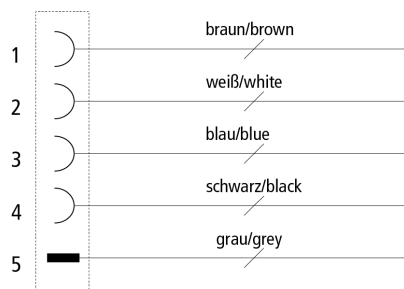
## Cable

<b>Electrical data</b>		
Rated voltage	≤ 300 V	
Wire resistance (power)	≤ 26.0 Ω/km (DIN EN 50395)	
Test voltage	≥ 3000 V	
<b>Mechanical data</b>		
Conductor construction (power)	42 x 0.15 mm	
Cross-section	5 x 0.75 mm <sup>2</sup> (approx. AWG18)	
Outer cable diameter	6.3 mm ± 0.2 mm (0.248" ± 0.0079")	
Min. bending radius, moved	6 x outer cable diameter	
Weight	63.0 kg/km (42.33 lb/1000 ft)	
Shielding	no	
Use	drag-chain suitable	
Max. acceleration	10 m/s <sup>2</sup>	
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	
Jacket color	black	
Material jacket	PUR (polyurethane)	
Wire color code	brown, white, blue, black, gray	
Wire insulation material	PP (polypropylene)	
Printing color	white	

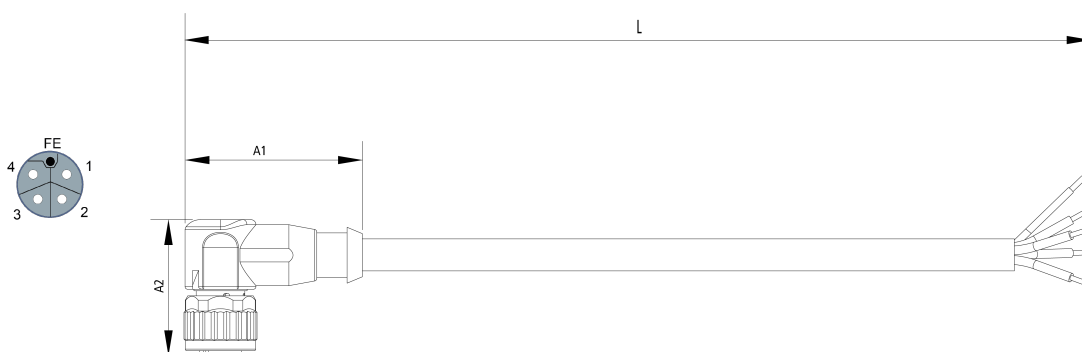
## Environmental data

Operation temperature range, moved	-25...+80°C, -13...+176°F
Flame-retardant	according to cULus 20549
Halogen-free	DIN VDE 0472 part 815

## Contact assembly



## Dimensions



A1	40.0 mm
A2	~ 35.0 mm
A3	Ø18.0 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

Ordering information	Length
ZK2053-5400-0010	1.00 m

ZK2053-5400-0020	2.00 m
ZK2053-5400-0030	3.00 m
ZK2053-5400-0050	5.00 m
ZK2053-5400-0075	7.50 m
ZK2053-5400-0100	10.00 m

### Accessories

ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0002	torque cable key, M12/wrench size 13, for ZB8801-0000



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.