

ZK2053-5152-0xxx | Power cable, PUR, drag-chain suitable, 5 G 0.75 mm²

M12, plug, straight, male, 5-pin, L-coded – M12, socket, straight, female, 5-pin, L-coded

Plugs

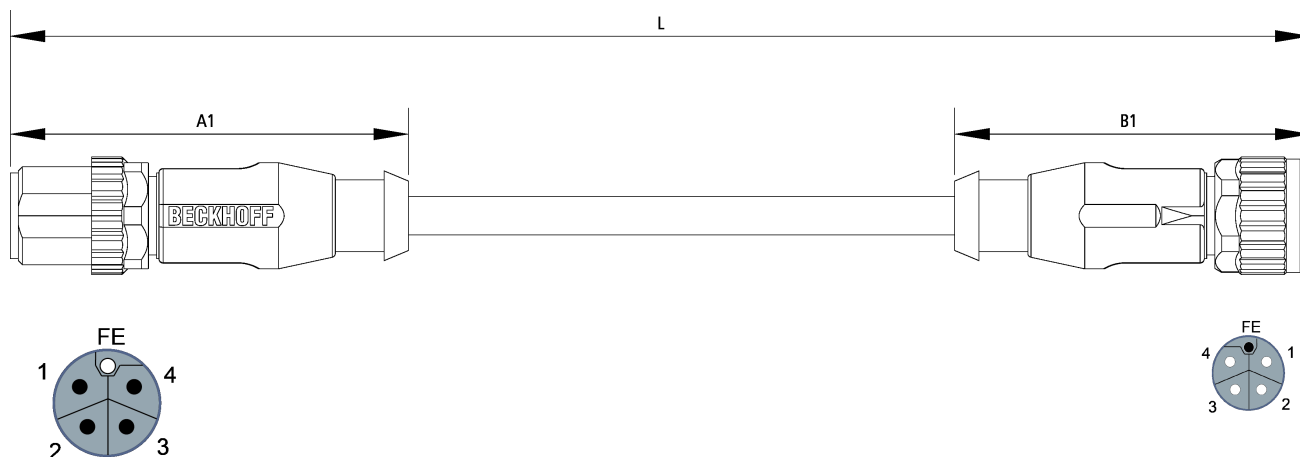
Electrical data	Head A	Head B
Rated voltage	63 V (according to IEC 61076-2-111)	63 V (according to IEC 61076-2-111)
Rated current	8 A at 40 °C (according to IEC 61076-2-111)	8 A at 40 °C (according to IEC 61076-2-111)
Shielding	no	no
Contact resistance	< 10 mΩ	< 10 mΩ
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	≥ 100 MΩ (according to IEC 60512)
Mechanical data		
Installation size	M12	M12
Connector type	plug	socket
Configuration	straight	straight
Contact type	male	female
Number of positions (face)	5-pin	5-pin
Coding	L-coded	L-coded
Recommended torque, nut	0.6 Nm	0.6 Nm
Mating cycles	≥ 100 (according to IEC 60512-9a)	≥ 100 (according to IEC 60512-9a)
Way of locking	screw	screw
Body colour	black	black
Body material	TPU, UL94 HB	TPU, UL94 HB
Coupling nut material	GD-Zn, Ni	GD-Zn, Ni
Seal	FPM	FPM
Contact carrier colour	black	black
Contact carrier material	PC UL 94 V-0	PC UL 94 V-0
Contact material	CuZn, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.
Environmental data		
RoHS compliant	yes	yes
Ambient temperature (operation)	-30...+85 °C, -22...+185 °F	-30...+85 °C, -22...+185 °F
Protection class	IP 65/67 in screwed condition (according to IEC 60529)	IP 65/67 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
Wire resistance (power)	≤ 26,0 Ω/km (DIN EN 50395)
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (power)	42 x 0.15 mm
Cross section	5 x 0.75 mm ² (approx. AWG18)
Min. bending radius, moved	6 x outer cable diameter
Weight	63.0 kg/km (42.33 lb/1000 ft)
Outer cable diameter	6.3 mm ± 0.2 mm (0.248" ± 0.0079")
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
Jacket colour	black
Material jacket	PUR (polyurethane)
Wire colour code	brown, white, blue, black, grey
Wire insulation material	PP (polypropylene)

Printing colour	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

Dimensions



A1	49.00 mm
A2	20.00 mm
B1	49.00 mm
B2	20.00 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. The last three digits of the ordering information is the cable length in decimeters, e.g. ZKxxxx-xxxx-x020 = cable length 2.00 m

Ordering information	Length
ZK2053-5152-0003	0.30 m
ZK2053-5152-0006	0.60 m
ZK2053-5152-0020	2.00 m
ZK2053-5152-0030	3.00 m

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

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