

ZK2050-5100-0xxx | Power cable, PUR, drag-chain suitable, 5 G 1.5 mm²



M12, plug, straight, male, 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	12 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	plug	-
Configuration	straight	-
Contact type	male	-
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.	-
Environmental data		
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

Electrical data		
Rated voltage	≤ 300 V	
Wire resistance (power)	≤ 58.0 Ω/km	
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	
Weight	112.2 kg/km (75.17 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	
Jacket color	black	
Material jacket	PUR (polyurethane)	
Wire color code	brown, white, blue, black, gray	
Wire insulation material	PP (polypropylene)	

Printing color white

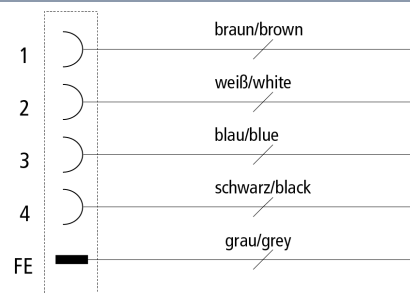
Environmental data

Operation temperature range, moved -25...+80°C, -13...+176°F

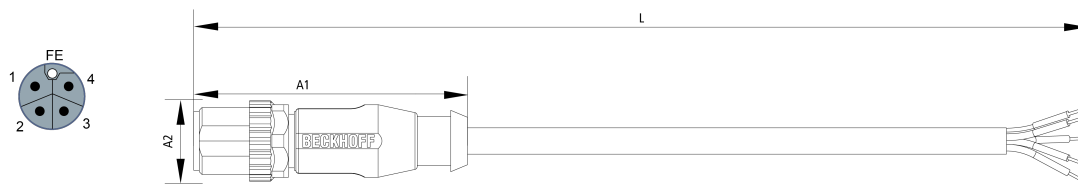
Flame-retardant according to cULus 20549

Halogen-free DIN VDE 0472 part 815

Contact assembly



Dimensions



A1 53.00 mm

A2 Ø 16.00 mm

Notes

- Depending on the cable length (L), the following length tolerances apply:

0 m...3.0 m: + 100 mm | 3.0...10.0 m: ± 100 mm | ≥ 10.0 m: ± 2%

- 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

ZK2050-5100-0030

3.00 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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