ZK2051-5152-0xxx | Power cable, PUR, drag-chain suitable, 5 x 2,5 mm²

M12, plug, straight, male + female (PE inverse), 5-pin (4+FE), L-coded – M12, socket, straight, female + male (PE inverse), 5-pin (4+FE), 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	16 A at 40°C (according to IEC 61076-2-111)	16 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 (PE inverse)	female + male (PE inverse)
Number of positions (face)	5-pin (4+FE)	5-pin (4+FE)
Coding	L-coded	L-coded

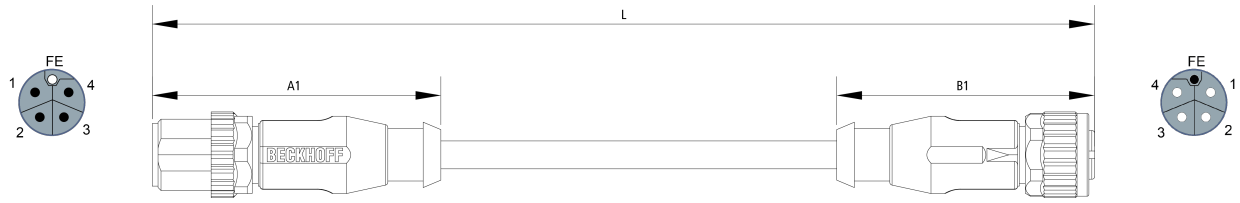
Recommended torque, nut	0.6 Nm	0.6 Nm
Mating cycles	≥ 100 (according to IEC 60512-9a)	≥ 100 (according to IEC 60512-9a)
Way of locking	screw	screw
Body color	black	black
Body material	TPU, UL94 HB	TPU, UL94 HB
Coupling nut material	GD-Zn, Ni	GD-Zn, Ni
Seal	FPM	FPM
Contact carrier color	black	black
Contact 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 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	≤ 600 V
Wire resistance (power)	≤ 8 Ω/km
Test voltage	≥ 6000 V
Mechanical data	
Conductor construction (power)	141 x 0.15 mm
Cross-section	5 x 2.5 mm² (approx. AWG14)
Outer cable diameter	9.9 mm ± 0.2 mm (0.3897" ± 0.0079")
Min. bending radius, moved	10 x outer cable diameter
Weight	178 kg/km (119.3 lb/1000 ft)
Shielding	no
Use	drag-chain suitable
Max. acceleration	10 m/s²
Max. speed	3 m/s
Max. number of cycles	4 million
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	-20...+80°C, -4...+176°F
Flame-retardant	according to AWM Style 20549, UL 758/1581 FT2, DIN EN 60332-2-2
Halogen-free	according to DIN VDE 0472 part 815, DIN EN 50267-2-1

Dimensions



A1	53.00 mm
A2	Ø 16.00 mm
B1	48.00 mm
B2	Ø 16.00 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.

Ordering information	Length
ZK2051-5152-0003	0.30 m
ZK2051-5152-0030	3.00 m
ZK2051-5152-0040	4.00 m
ZK2051-5152-0060	6.00 m
ZK2051-5152-0070	7.00 m
ZK2051-5152-0080	8.00 m

Further length on request

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.

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