ZK2051-5114-0xxx | Power cable, PUR, drag-chain suitable, 5 x 2.5 mm²



M12, plug, straight, male + female (PE inverse), 5-pin (4+FE), L-coded – 7/8"-16 UN, socket, angled, female, 5-pin, A-coded

Plugs

Electrical data	Head A	Head B
Rated voltage	63 V (according to IEC 61076-2-111)	300 V (according to IEC 60664-1)
Rated current	8 A at 40°C (according to IEC 61076-2-111)	12 A at 40°C (according to IEC 60512-3), 10 A (according to UL2238)
Rated impulse voltage	-	2.5 kV
Shielding	no	no
Contact resistance	< 10 mΩ	-
Insulation resistance	≥ 100 M Ω (according to IEC 60512)	\geq 100 M Ω (according to IEC 60512)
Mechanical data		
Installation size	M12	7/8"-16 UN
Connector type	plug	socket
Configuration	straight	angled
Contact type	male + female (PE inverse)	female
Number of positions (face)	5-pin (4+FE)	5-pin



Coding	L-coded	A-coded
Recommended torque, nut	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, UL 94
Coupling nut material	GD-Zn, Ni	CuZn, Ni
Seal	FPM	FPM
Contact carrier color	black	red
Contact carrier material	PC UL 94 V-0	TPU GF, UL 94
Contact plating	-	Ni, Au gal.
Contact material	CuZn, Ni b/Au 0.2 gal.	CuZn
Environmental data		
Special features	-	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+85°C, -22+185°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	≤ 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/s ²
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	45.60 mm
B2	40.90 mm

Notes

- Depending on the cable length (L), the following length tolerances apply: 0 m...<0.2 m: \pm 10 mm | 0.2...4.0 m: \pm 40 mm | \geq 4.0 m: \pm 1%
- Illustrations similar
- Further cable length on request.

Ordering information	Length
ZK2051-5114-0010	1.00 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



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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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