ZK2050-5400-0xxx | Power cable, PUR, drag-chain suitable, 5 x 1.5 mm²

M12, socket, angled, female + male (PE inverse), 5-pin (4+FE), 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	socket	-
Configuration	angled	-
Contact type	female + male (PE inverse)	-
Number of positions (face)	5-pin (4+FE)	5-wire
Coding	L-coded	-

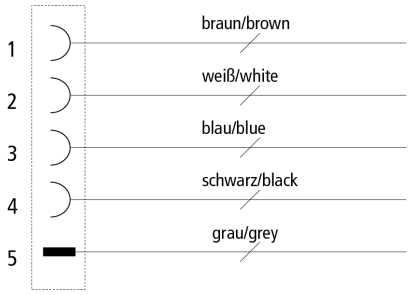
Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Body color	black	-
Body material	TPU, UL94 HB	-
Coupling nut material	GD-Zn, Ni	-
Seal	FPM	-
Contact carrier color	black	-
Contact carrier material	PC UL 94 V-0	-
Contact material	CuZn, Ni b/Au 0.2 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

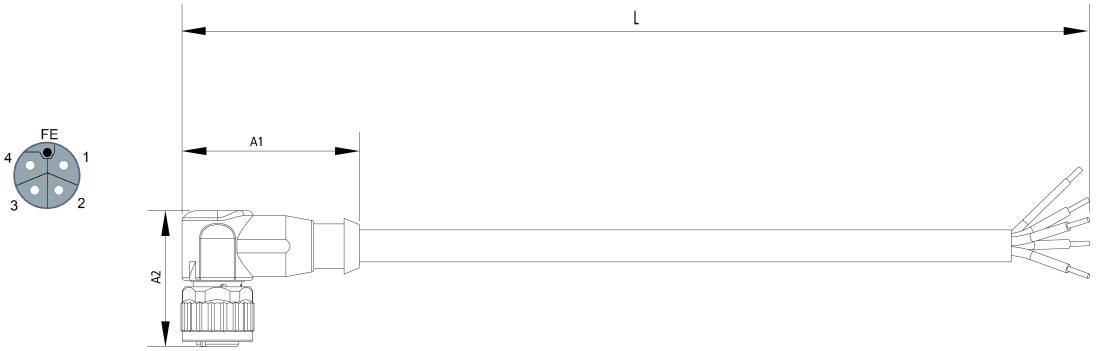
Electrical data	
Rated voltage	≤ 300 V
Wire resistance (power)	≤ 58.0 Ω/km
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (power)	84 x 0.15 mm
Cross-section	5 x 1.5 mm² (approx. AWG16)
Outer cable diameter	7.8 mm ±0.2 mm (0.3071" ± 0.0079")
Min. bending radius, moved	6 x outer cable diameter
Weight	112.2 kg/km (75.17 lb/1000 ft)
Shielding	no
Use	drag-chain suitable
Max. acceleration	10 m/s²
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	according to DIN VDE 0472 part 815

Pin assignment



Dimensions



A1	40.0 mm
A2	35.0 mm
A3	Ø 16.5 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
ZK2050-5400-0010	1.00 m
ZK2050-5400-0020	2.00 m
ZK2050-5400-0030	3.00 m
ZK2050-5400-0050	5.00 m
ZK2050-5400-0075	7.50 m
ZK2050-5400-0100	10.00 m
ZK2050-5400-0150	15.00 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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