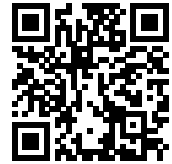
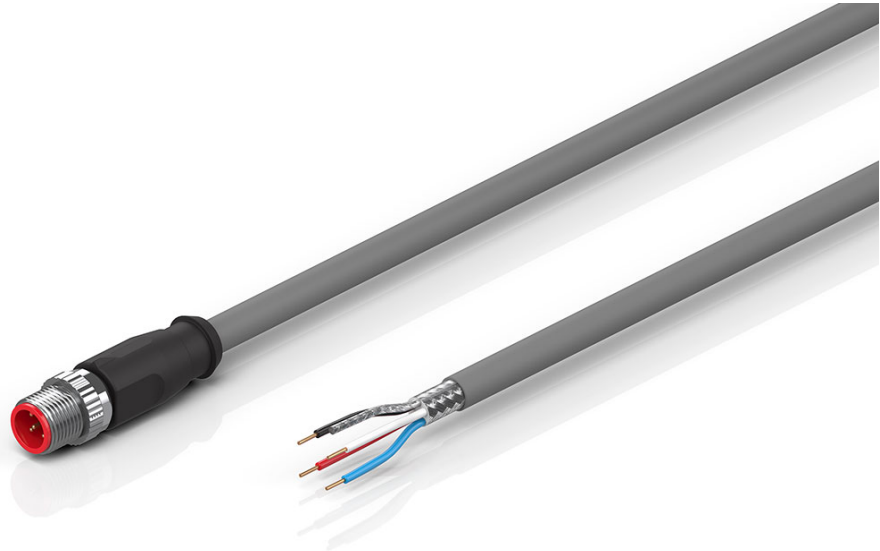


# ZK1052-6100-3xxx | CANopen/DeviceNET cable, PVC, AWG22, fixed installation



M12, plug, straight, male, 5-pin, A-coded – open end, 4-wire + shielding



## Plugs

Electrical data	Head A	Head B
Rated voltage	60 V (according to IEC 61076-2-101)	-
Rated current	4 A at 40°C (according to IEC 61076-2-101)	-
Shielding	yes	-
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	4-wire + shielding
Coding	A-coded	-
Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-

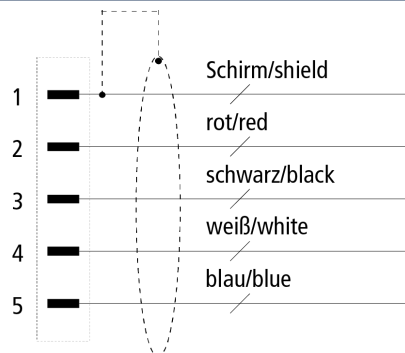
Way of locking	screw	-
Weight per piece	0.023 kg (0.0507 lb)	-
Body color	black	-
Body material	TPU, UL 94 HB	-
Coupling nut material	GD-Zn, Ni	-
Seal	FPM	-
Contact carrier color	red	-
Contact carrier material	PA, UL 94 V-0	-
Contact material	CuZn, Ni b/Au 0.2 gal.	-
<b>Environmental data</b>		
Special features	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1	-
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

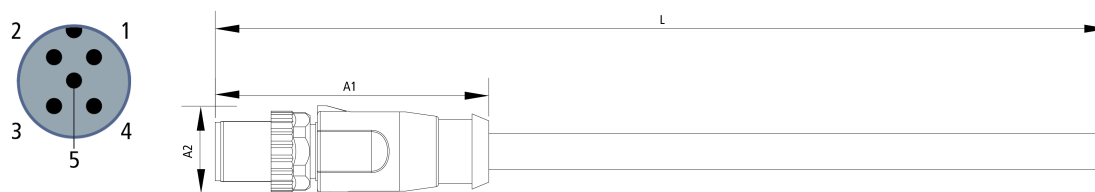
<b>Electrical data</b>		
Rated voltage	300 V	
Mutual capacitance	37.17 pF/m	
Wire resistance	≤ 54.1 Ω/km	
<b>Mechanical data</b>		
Cross-section	2 x 2 x 0.32 mm <sup>2</sup> (AWG22)	
Outer cable diameter	7.24 mm ± 0.2 mm (0.2850" ± 0.0079")	
Shielding	braiding of tinned copper wires	
Optical covering factor of shielding (total)	yes	
Use	fixed installation	
Jacket color	gray	
Material jacket	PVC (polyvinyl chloride)	
Wire color code	white, blue, black, red	
<b>Environmental data</b>		
Operation temperature range, fixed installation	-40...+80°C, -40...+185°F	

Halogen-free	no
UL	yes, E-file number: E171202

### Contact assembly



### Dimensions



A1	49.0 mm
A2	Ø 14.5 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.

### CE, UL

UL	yes, UL E-file number: E480185
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### Ordering information

Ordering information	Length
ZK1052-6100-3010	1.00 m
ZK1052-6100-3020	2.00 m
ZK1052-6100-3025	2.50 m

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ZK1052-6100-3030	3.00 m
ZK1052-6100-3050	5.00 m
ZK1052-6100-3100	10.00 m

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### Accessories

ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0002	torque cable key, M12/wrench size 13, for ZB8801-0000
ZB8803-0003	Flange/Panel feed-through for M12 pre-assembled, for fixing the connector, plastic

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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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