

ZK1052-6152-3xxx | CANopen/DeviceNET cable, PVC, AWG22, fixed installation



M12, plug, straight, male, 5-pin, A-coded – M12, socket, straight, female, 5-pin, A-coded



Plugs

Electrical data	Head A	Head B
Rated voltage	60 V (according to IEC 61076-2-101)	60 V (according to IEC 61076-2-101)
Rated current	4 A at 40°C (according to IEC 61076-2-101)	4 A at 40°C (according to IEC 61076-2-101)
Shielding	yes	yes
Contact resistance	< 10 mΩ	< 10 mΩ
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	≥ 100 MΩ (according to IEC 60512)
Mechanical data	Mechanical data	
Installation size	M12	M12
Connector type	plug	socket
Configuration	straight	straight
Contact type	male	female
Number of positions (face)	5-pin	5-pin
Coding	A-coded	A-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
Weight per piece	0.023 kg (0.0507 lb)	0.023 kg (0.0507 lb)
Body color	black	black
Body material	TPU, UL 94 HB	TPU, UL 94 HB
Coupling nut material	GD-Zn, Ni	GD-Zn, Ni
Seal	FPM	FPM
Contact carrier color	red	red
Contact carrier material	PA, UL 94 V-0	PA, UL 94 V-0
Contact plating	-	Ni, Au gal.
Contact material	CuZn, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.
Environmental data		
Special features	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1	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...+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

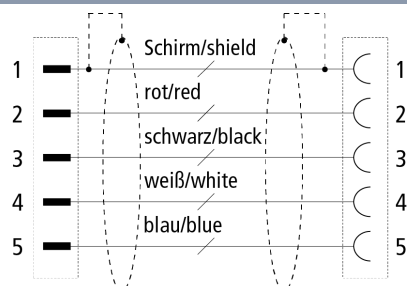
Electrical data	
Rated voltage	300 V
Mutual capacitance	37.17 pF/m
Wire resistance	≤ 54.1 Ω/km
Mechanical data	
Cross-section	2 x 2 x 0.32 mm ² (AWG22)
Outer cable diameter	7.24 mm ± 0.2 mm (0.2850" ± 0.0079")
Shielding	braiding of tinned copper wires
Optical covering factor of shielding (total)	yes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

Operation temperature range, fixed installation -40...+80°C, -40...+185°F

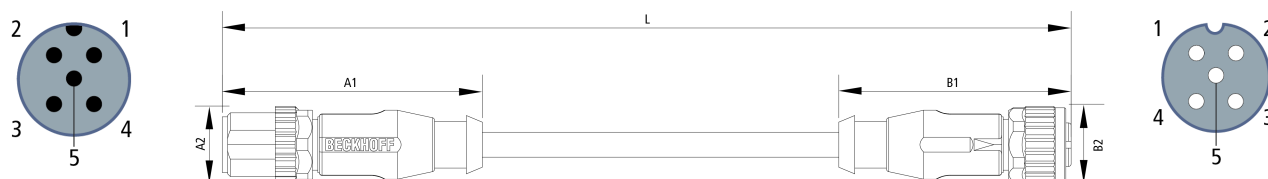
Halogen-free no

UL yes, E-file number: E171202

Contact assembly



Dimensions



A1 49.0 mm

A2 Ø 14.5 mm

B1 44.0 mm

B2 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

Ordering information

Length

ZK1052-6152-3003

0.30 m

ZK1052-6152-3005	0.50 m
ZK1052-6152-3010	1.00 m
ZK1052-6152-3020	2.00 m
ZK1052-6152-3023	2.30 m
ZK1052-6152-3030	3.00 m
ZK1052-6152-3032	3.20 m
ZK1052-6152-3050	5.00 m
ZK1052-6152-3100	10.00 m
ZK1052-6152-3150	15.00 m

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



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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