

ZK2027-3132-0xxx | Power cable, PUR, 4 x 0.34 mm², shielded, fixed installation



M8, plug, straight, male, 4-pin, A-coded – M8, socket, straight, female, 4-pin, A-coded



Plugs

Electrical data	Head A	Head B
Rated voltage	50 V AC/60 V DC (according to IEC 61076-2-104)	50 V AC/60 V DC (according to IEC 61076-2-104)
Rated current	4 A at 40°C (leaning on IEC 61076-2-104)	4 A at 40°C (leaning on IEC 61076-2-104)
Shielding	yes	yes
Insulation resistance	≥ 10 GΩ (according to IEC 60512-2)	≥ 10 GΩ (according to IEC 60512-2)
Mechanical data		
Installation size	M8	M8
Connector type	plug	socket
Configuration	straight	straight
Contact type	male	female
Number of positions (face)	4-pin	4-pin
Coding	A-coded	A-coded
Recommended torque, nut	0.4 Nm	0.4 Nm

Mating cycles	≥ 100 (according to IEC 60512-9a)	≥ 100 (according to IEC 60512-9a)
Way of locking	screw	screw
Weight	0.028 kg (0.0617 lb)	0.028 kg (0.0617 lb)
Body color	black	black
Body material	TPU, UL94	TPU, UL94
Coupling nut material	CuZn, Ni	CuZn, Ni
Seal	FPM	FPM
Contact carrier color	red	red
Contact carrier material	TPU GF, UL 94	TPU GF, UL 94
Contact plating	Ni, Au gal.	Ni, Au gal.
Contact material	CuZn	CuZn
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...+80°C, -22...+176°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	≤ 300 V
Insulation resistance	≥ 100 GΩ * km
Wire resistance (signal/24V)	≤ 58.0 Ω/km (20°C)
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (power)	42 x 0.10 mm
Cross-section	4 x 0.34 mm ² (AWG22)
Outer cable diameter	5.4 mm ± 0.2 mm (0.213" ±0.0079")
Min. bending radius, moved	10 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Weight	43 kg/km (28.8 lb/1000 ft)
Shielding	braiding of tinned copper wires
Optical covering factor of shielding (total)	yes
Use	fixed installation

Wall thickness of wire insulation (power) ≥ 0.21 mm

Jacket color black

Material jacket PUR (polyurethane)

Wire color code white, blue, black, brown

Wire insulation material PP (polypropylene)

Printing color white

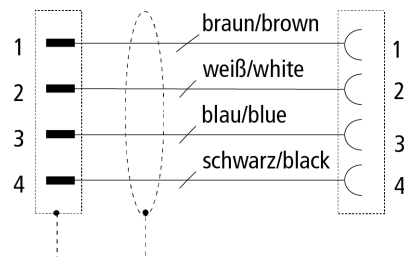
Environmental data

Operation temperature range, moved $-25...+80^{\circ}\text{C}$, $-13...+176^{\circ}\text{F}$

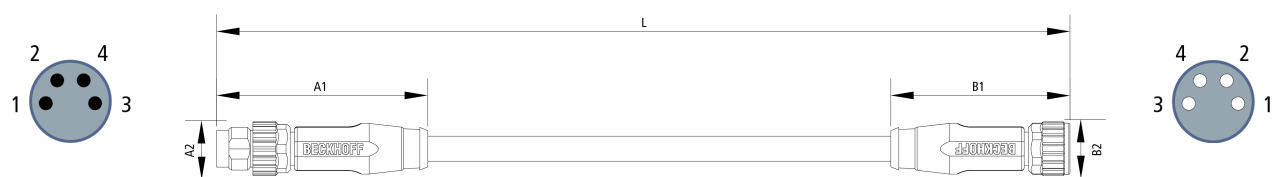
Flame-retardant according to cULus 20549

Halogen-free according to DIN VDE 0472 part 815

Pin assignment



Dimensions



A1 39.60 mm

B1 33.00 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
ZK2027-3132-0002	0.20 m
ZK2027-3132-0003	0.30 m
ZK2027-3132-0005	0.50 m
ZK2027-3132-0010	1.00 m
ZK2027-3132-0015	1.50 m
ZK2027-3132-0020	2.50 m
ZK2027-3132-0030	3.00 m
ZK2027-3132-0035	3.50 m
ZK2027-3132-0040	4.00 m
ZK2027-3132-0050	5.00 m
ZK2027-3132-0055	5.50 m
ZK2027-3132-0060	6.00 m
ZK2027-3132-0100	10.00 m
ZK2027-3132-0150	15.00 m

Further length on request

Accessories	
ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0001	torque cable key, M8/wrench size 9, for ZB8801-0000
ZB8803-0001	Flange/Panel feed-through for M8 pre-assembled, for fixing the connector, plastic, including screws, washers and lock nuts



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