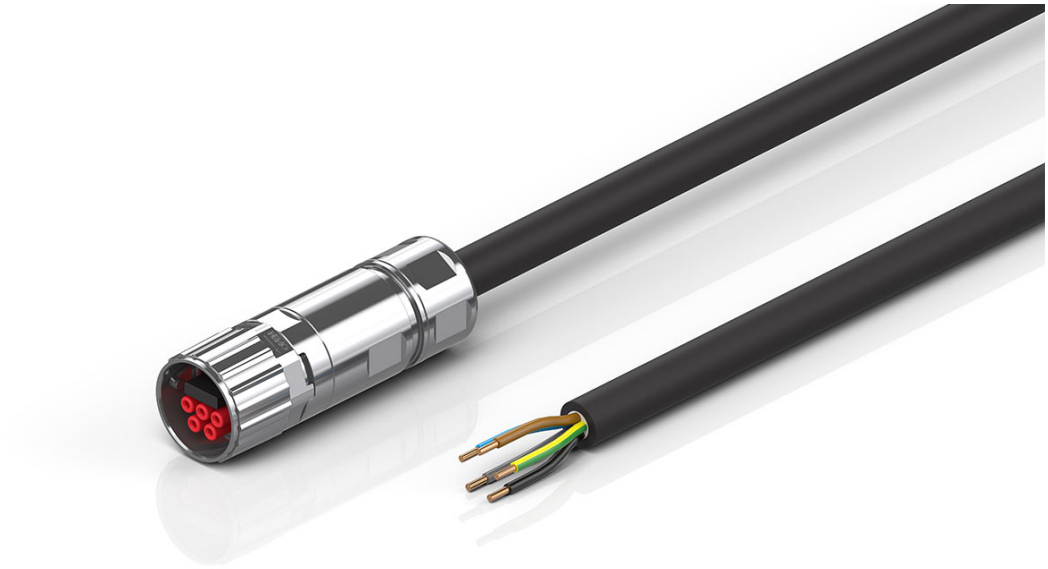
ZK7231-3100-0xxx | B17, Power cable, PUR, 5 G 1.5 mm², drag-chain suitable, key 1 (24 V DC)

B17, plug, straight, female+blanking plug, pins 4+PE, Power – open end, 5-wire



Plugs

Electrical data	Head A	Head B
Rated voltage (power)	630 V AC / 850 V DC, 600V AC / DC (UL)	-
Rated current (power)	15.5 A at 45°C	-
Rated impulse voltage (power)	6.0 kV	-
Voltage proof (contact/contact)	3.31 kV AC	-
Contact resistance	< 5 mΩ	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	B17	open end
Connector type	plug	-
Configuration	straight	-
Contact type	female+blanking plug	-
Number of positions (face)	pins 4+PE	5-wire
Coding	Power	-

Mechanical coding	key 1 (2 x 24 V DC + PE)	-
Wire termination	crimp connection	-
Mating cycles	≥ 100	-
Way of locking	bayonet	-
Weight	0.090 kg (0.1984 lb)	-
Body color	black	-
Body material	TPU, UL 94 HB	-
Coupling nut material	GD-Zn, Ni	-
Seal	NBR, FPM	-
Contact carrier material	PA 6, UL 94 V0	-
Contact carrier color (power)	red	-
Contact plating	Au over Ni	-
Contact material	copper alloy	-
Environmental data		
Shock resistance	50 g (490 m/s^2) conforms to IEC 60512-6c, 11 ms; 18 shocks per direction, 3 axes	-
Vibration resistance	5 g (50 m /s^2) conforms to IEC 60512-6d, 10 Hz. ... 500 Hz.; 10 cycles per axis; 6 h full duration	-
Ambient temperature (operation)	-30...+80°C, -22...+176°F	-
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

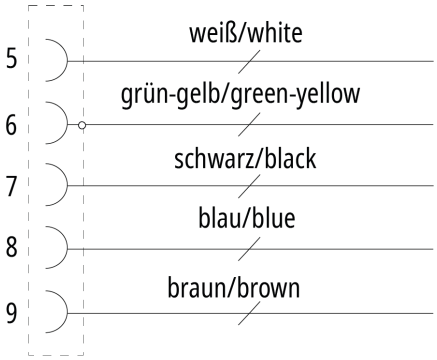
Cable

Electrical data	
Operating voltage	≤ 300 V
Wire resistance	≤ 58 Ω/km (20°C)
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction	84 x 0.15 mm
Cross-section	5 G 1.5 mm^2 (approx. AWG16)
Outer cable diameter	7.80 ±0.05 mm
Min. bending radius, moved	6 x outer cable diameter
Weight	112 kg/km (0.075 lb/1000 ft)
Use	drag-chain suitable
Max. acceleration	10 m/s^2
Max. speed	5 m/s

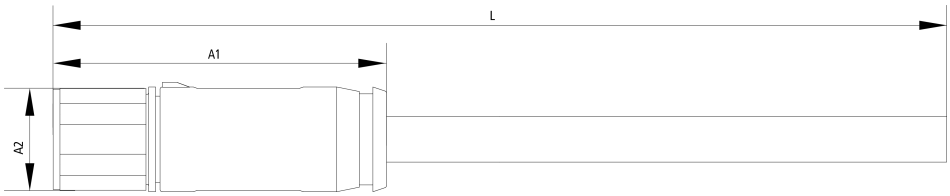
Max. travel distance	100 m
Max. number of cycles	2 million
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	brown, white, black, blue, green/yellow

Environmental data	
Operation temperature range, moved	-25...+80°C
Flame-retardant	according to cULus 20549
Halogen-free	according to DIN VDE 0472 part 815
RoHS compliant	yes

Pin assignment



Dimensions



A1	73.60 mm
A2	23.00 mm

Mechanical coding

Mechanical keying uses defined keyways that only allow insertion and subsequent locking rotation when correctly aligned. For more information, please refer to the keying guide for correct use.

Notes

- Depending on the cable length (L), the following length tolerances apply:
0 m...3.0 m: + 100 mm | 3.0...10.0 m: ± 100 mm | ≥ 10.0 m: ± 2%
- Illustrations similar

- Further cable length on request. The last three digits of the ordering information is the cable length in decimeters, e.g. ZKxxxx-xxxx-x020 = cable length 2.00 m
- The design of the pre-assembled cable shown here may differ from the products supplied, despite technically identical specifications.

CE, UL	
CE	yes

Ordering information	Length
ZK7231-3100-0030	3.00 m
ZK7231-3100-0150	15.00 m
ZK7231-3100-0200	20.00 m
ZK7231-3100-0050	5.00 m
ZK7231-3100-0100	10.00 m

Further length on request

Accessories	
ZS7200-B003	B17 protection cap, plug, plastic, IP67, packaging unit = 10 pieces, including loss protection
ZS7200-B005	B17 color coding connector/square flange, red, packaging unit = 10 pieces
ZB8805-0001	Flange/Panel feed-through for B17 pre-assembled, for fixing the connector, plastic, including screws, washers and lock nuts
ZS7200-B016	B17 color coding connector/square flange, gray, packaging unit = 10 pieces
ZS7200-B007	B17 color coding connector/square flange, blue, packaging unit = 10 pieces
ZS7200-B006	B17 color coding connector/square flange, yellow, packaging unit = 10 pieces
ZS7200-B008	B17 color coding connector/square flange, green, packaging unit = 10 pieces
ZS7200-B015	B17 color coding connector/square flange, orange, packaging unit = 10 pieces
ZB8802-0003	assembly tool for B23 connector, AF27



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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