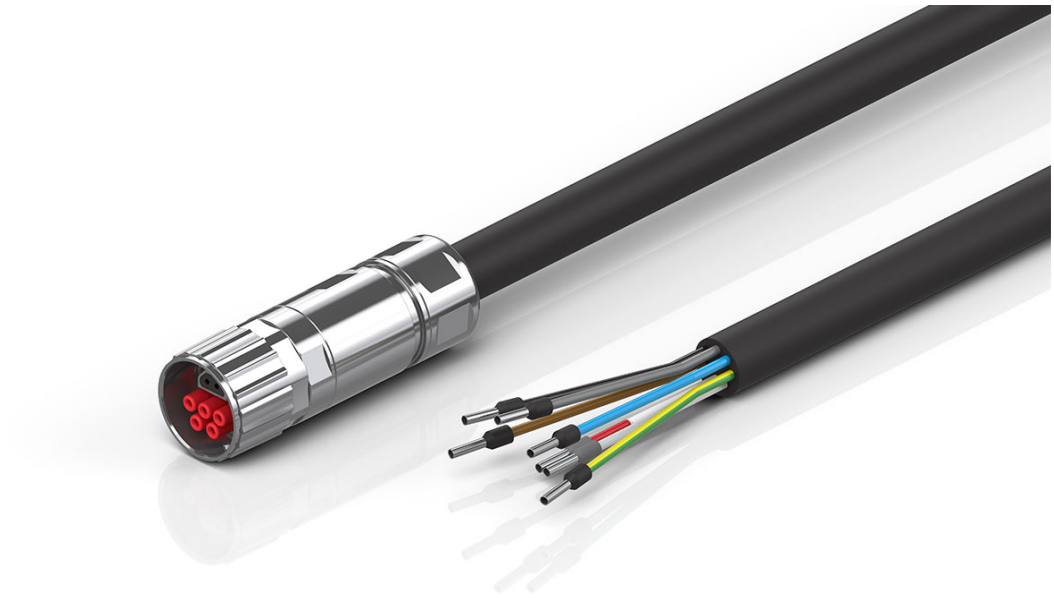
ZK7672-3100-3xxx | Power cable, PUR, fixed installation, 5 G 1.5 mm² + 2 x 0,75 mm², key 2

B17, plug, straight, female+ female, pins 5+2 – open end, pins 5+2



Plugs

Electrical data	Head A	Head B
Rated voltage (Ethernet)	24 V DC	-
Rated current (Ethernet)	3 A at 40°C	-
Rated voltage (power)	60 V DC	-
Rated current (power)	10 A at 55°C	-
Contact resistance	< 10 mΩ (signal), < 5 mΩ (power)	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	B17	open end
Connector type	plug	-
Configuration	straight	-
Contact type	female+ female	-
Number of positions (face)	pins 5+2	pins 5+2
Mechanical coding	key 2 (user-defined voltage)	-
Wire termination	crimp connection	ferrules

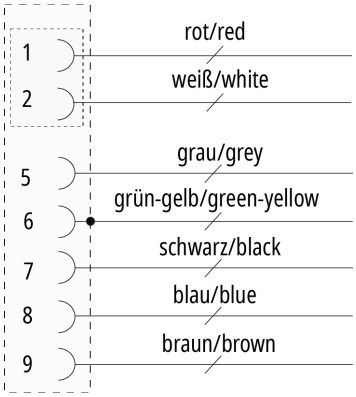
Mating cycles	≥ 100	-
Way of locking	bayonet	-
Body color	metal	-
Coupling nut material	GD-Zn, Ni	-
Seal	NBR	-
Contact carrier material	PA, UL 94	-
Contact plating	Au over Ni	-
Contact material	copper alloy	-
Environmental data		
Shock resistance	50 g (490 m/s²) conforms to IEC 60512-6c, 11 ms; 18 shocks per direction, 3 axes	-
Vibration resistance	5 g (50 m /s²) conforms to IEC 60512-6d, 10 Hz. ... 500 Hz.; 10 cycles per axis; 6 h full duration	-
RoHS compliant	yes	-
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

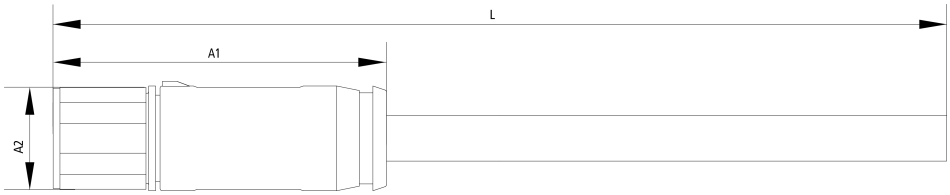
Electrical data	
Rated voltage	600 V AC/DC
Wire resistance (power)	1.50 mm²: ≤ 13.3 Ω/km, 0.75 mm²: ≤ 26.0 Ω/km
Test voltage	4000 V
Mechanical data	
Cross-section	2 x 0.75 mm² (AWG18) + 5 x 1.5 mm² (AWG16)
Outer cable diameter	12.4 mm ± 0.3 mm (0.4882" ± 0.0118")
Min. bending radius, moved	10 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Weight	158 kg/km (106.17 lb/1000 ft)
Shielding	no
Use	fixed installation
UL-Style	AWM Style 2586
Jacket color	black (similar to RAL9005)
Material jacket	PVC (polyvinyl chloride)
Wire color code	1.50 mm²: brown, black, grey, blue, green/yellow 0.75 mm²: white, red
Wire insulation material	TPE-o (Polyolefin blends)

Environmental data	
Operation temperature range, moved	5…90°C, 41…194°F
Operation temperature range, fixed installation	-40…+90°C, -40…+194°F
Halogen-free	no
RoHS compliant	yes

Pin assignment



Dimensions



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…<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	
CE	yes

Ordering information	Length

ZK7672-3100-3020	2.00 m
ZK7672-3100-3030	3.00 m
ZK7672-3100-3050	5.00 m
ZK7672-3100-3100	10.00 m

Further length on request

Accessories	
ZS7200-B003	B17 protection cap, plug, plastic, IP67, packaging unit = 10 pieces, including loss protection
ZS7200-B004	B17 protection cap, plug, metal, IP67, packaging unit = 5 pieces, including loss protection
ZS7200-B005	B17 color coding connector/square flange, red, packaging unit = 10 pieces
ZS7200-B006	B17 color coding connector/square flange, yellow, packaging unit = 10 pieces
ZS7200-B007	B17 color coding connector/square flange, blue, 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
ZS7200-B016	B17 color coding connector/square flange, gray, packaging unit = 10 pieces
ZB8802-0002	assembly tool for B17 connector, AF22
ZB8805-0001	Flange/Panel feed-through for B17 pre-assembled, for fixing the connector, plastic, including screws, washers and lock nuts



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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