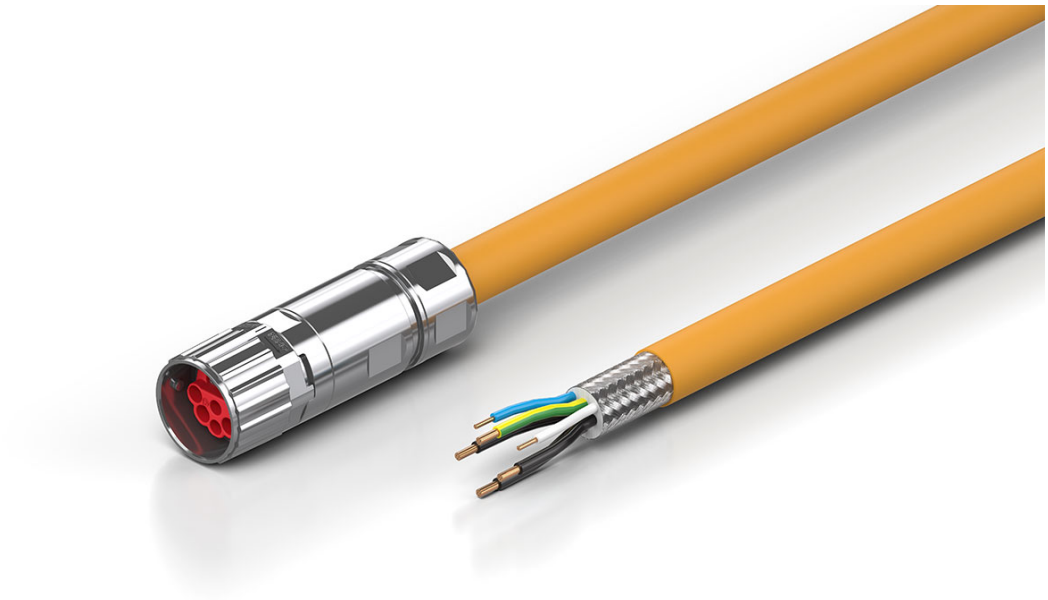
ZK7978-3600-0xxx | Motor cable, B17, PUR, 4 G 1.5 mm² + (2 x 1), drag-chain suitable, Key 3 (24 V DC)

B17, plug, straight, male+male, pins 3+PE+2+2 – open end, 6-wire + shielding



Plugs

Electrical data	Head A	Head B
Rated voltage (power)	630 V AC / 850 V DC, 600V AC / DC (UL)	-
Rated current (power)	14 A + 10 A at 40°C	-
Rated current (DSL)	4 A at 40°C	-
Rated impulse voltage (power)	6.0 kV	-
Rated impulse voltage (Ethernet)	1.0 kV	-
Rated impulse voltage (DSL)	50 V	-
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	male+male	-

Number of positions (face)	pins 3+PE+2+2	6-wire + shielding
Mechanical coding	key 3 (user-defined voltage)	-
Wire termination	crimp connection	-
Mating cycles	≥ 100	-
Way of locking	bayonet	-
Weight	0.090 kg (0.1984 lb)	-
Body color	black	-
Body material	**PA, UL 94, HB**	-
Coupling nut material	GD-Zn, Ni	-
Seal	NBR, FPM	-
Contact carrier material	PA 6, UL 94 V0	-
Contact carrier color (Ethernet)	red	-
Contact carrier color (power)	red	-
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	-
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

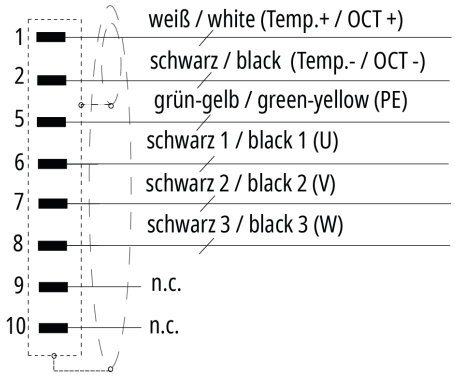
Electrical data	
Operating voltage	max. 1000 V AC (UL), Uo/U 600/1000 V (VDE)
Insulation resistance	≥ 20 MΩ * km
Mechanical data	
Cross-section (power)	1.50 mm² (approx. AWG16)
Cross-section (signal)	1 mm² (approx. AWG18)
Outer cable diameter	11.1 mm ± 0.2 mm (0.4370" ± 0.0079")
Min. bending radius, moved in drag-chain	7.5 x outher cable diameter
Min. bending radius, fixed installation	4 x outer cable diameter
Conductor material	copper bare

Optical covering factor of shielding	≥ 85%
Use	drag-chain suitable
Max. number of cycles	10 million
Jacket color	orange
Material jacket	PUR (polyurethane)

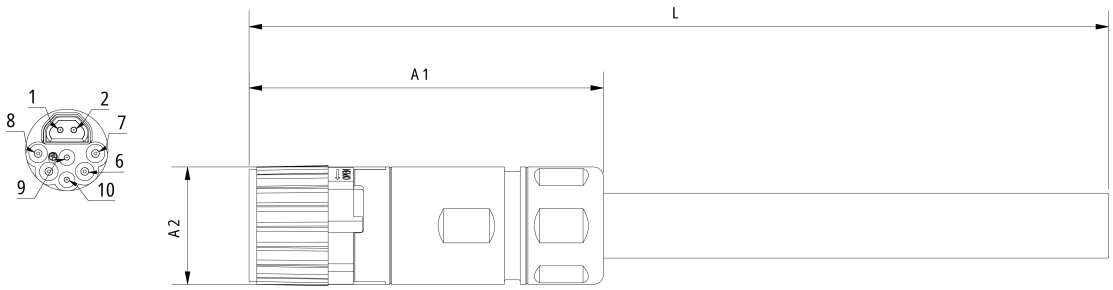
Environmental data

Operation temperature range, moved	-30...+80°C, -22...+176°F
Operation temperature range, fixed installation	-40...+80°C, -40...+176°F
Oil resistance	according to UL 1581
Flame-retardant	according to IEC 60332-1
CFC-free	yes
Halogen-free	according to DIN VDE 0472 part 815
Silicone-free	yes
RoHS compliant	yes
Approvals	cRUus-Style AWM 20234, CE compliant

Pin assignment



Dimensions



A1	73.60 mm
A2	23.00 mm

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
- B17 3-pin 1.5 mm² and B17 3 3-pin 2.5 mm² are not pin compatible

CE, UL	
CE	yes

Ordering information	Length
ZK7978-3600-0100	10.00 m
ZK7978-3600-0120	12.00 m
ZK7978-3600-0130	13.00 m

Further length on request



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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