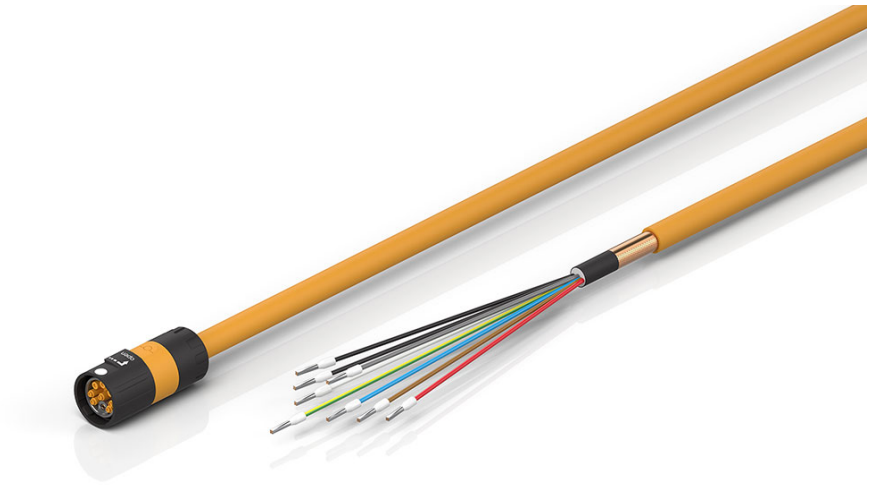
ZK4704-0401-2xxx | Motor connection cable 0.75 mm² with itec® plug for motors with OCT, fixed installation

itec® (Series 915), plug, straight, female, Power: 3+PE, Signal: 5 – open end, 8-wire + shield



Plugs

Electrical data	Head A	Head B
Rated voltage (power)	630 V AC/DC	-
Rated voltage (signal/24V)	63 V AC/DC	-
Rated current (power)	14 A	-
Rated current (signal/24V)	3.6 A	-
Rated impulse voltage (power)	6.0 kV	-
Rated impulse voltage (signal/24V)	1.5 kV	-
Contact resistance	< 5 mΩ	-
Mechanical data		
Accessories type	Connectors	-
Installation size	itec® (Series 915)	open end
Connector type	plug	-
Configuration	straight	-

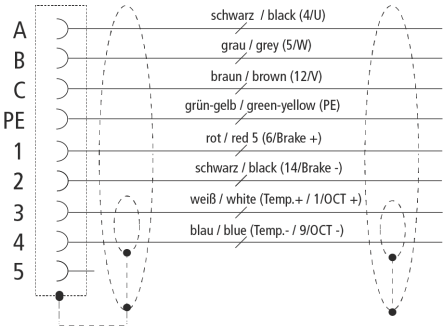
Contact type	female	-
Number of positions (face)	Power: 3+PE, Signal: 5	8-wire + shield
Wire termination	crimp connection	-
Mating cycles	500	-
Way of locking	bayonet	-
Weight	0.035 kg (0.0772 lb)	-
Body color	black, similar to RAL 9011	-
Body material	zinc diecast/plastic	-
Seal	FKM	-
Clamp ring	brass/nickel plated	-
Contact carrier material	PBT, PA, UL 94 V-0	-
Contact material	brass/gold plated	-
Environmental data		
Special features	Max. height for operation 2000 m	-
Shock resistance	30 g (conforms to EN 60060-2-27), 11 ms; 18 shocks per direction, 3 axes	-
Vibration resistance	10 g (conforms to EN 60068-2-27), 50 Hz...2000 Hz; 1 Octave/min.; 10 cycles per axis	-
Ambient temperature (operation)	-20...+130°C, -4...+266°F	-
Protection rating	IP66/67 in screwed condition	-
Pollution level	3 (according to VDE 0110/EN61984 part 6.19.2.2)	-
UL	yes, UL E-file number: E247738	-
Overvoltage category	3 (according to VDE 0110/EN61984 part 6.19.2.2)	-

Cable

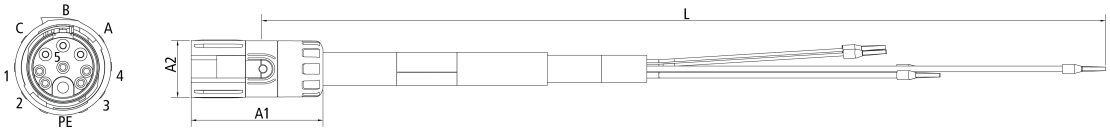
Electrical data	
Operating voltage	max. 300 V AC (UL), Uo/U 300/500 V (VDE)
Insulation resistance	≥ 200 MΩ * km
Wire resistance (power)	≤ 28.0 Ω/km (DIN EN 50395)
Wire resistance (signal/24V)	≤ 145.0 Ω/km (DIN EN 50395)
Wire resistance (brake)	≤ 87.0 Ω/km (DIN EN 50395)
Characteristic impedance	Signal: 110 Ω ± 10 Ω (10 MHz) acc. to EN50289-1-11
Dielectric strength wire/wire (power)	3 kV 50 Hz 5 min. (DIN VDE 0472 T.509C)
Dielectric strength wire/shield (power)	2 kV 50 Hz 5 min. (DIN VDE 0472 T.509C)
Mechanical data	

Cross-section (power)	0.75 mm² (approx. AWG18)
Cross-section (signal)	0.14 mm² (AWG26)
Cross-section (brake)	0.25 mm² (AWG24)
Outer cable diameter	7.0 mm ± 0.3 mm (0.2756" ± 0.0118")
Min. bending radius, fixed installation	5 x outer cable diameter
Conductor material (signal/24V)	copper bare
Optical covering factor of shielding	≥ 85%
Use	fixed installation
Jacket color	orange
Material jacket	PVC (polyvinyl chloride)
Wire color code	power: black, brown, gray, green/yellow brake: black, red signal: white, blue
Wire insulation material	PO (Polyolefine)
Printing on the jacket	Beckhoff Automation GmbH & Co. KG – D – Verl - 4 G 0,75 + 2x0,25 + (2x26AWG)/C C E63216 (UL) AWM STYLE 2095 80°C 300V XX/YY (XX/YY = Week / Year)
Printing color	black
Environmental data	
Operation temperature range, moved	-20...+80°C, -4...+176°F
Operation temperature range, fixed installation	-40...+80°C, -40...+176°F
Flame-retardant	Horizontal flame test
Halogen-free	no
Approvals	UL AWM 80°C 300V

Pin assignment



Dimensions



A1	44.00 mm

A2	19.00 mm

Notes

- The following length tolerances apply: 2-3%
- Illustrations similar

Ordering information	Length
ZK4704-0401-2002	0.25 m
ZK4704-0401-2003	0.30 m
ZK4704-0401-2004	0.40 m
ZK4704-0401-2005	0.50 m
ZK4704-0401-2010	1.00 m
ZK4704-0401-2015	1.50 m
ZK4704-0401-2020	2.00 m
ZK4704-0401-2025	2.50 m
ZK4704-0401-2030	3.00 m
ZK4704-0401-2035	3.50 m
ZK4704-0401-2040	4.00 m
ZK4704-0401-2045	4.50 m
ZK4704-0401-2050	5.00 m
ZK4704-0401-2055	5.50 m
ZK4704-0401-2060	6.00 m
ZK4704-0401-2065	6.50 m
ZK4704-0401-2070	7.00 m
ZK4704-0401-2080	8.00 m
ZK4704-0401-2090	9.00 m
ZK4704-0401-2100	10.00 m

Accessories	
ZB8804-0004	Flange/Panel feed-through for itec®, 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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