

Technical data sheet - Acc. to Beckhoff standard single-cable (hybrid) motor lines



OCT hybrid cables for C-tracks

Identification	Type	ZK4500-8023-0100
	Part-No.	196938.1000
System	Beckhoff	
Beckhoff designation*	ZK4500-8023-0100	

Use/Application/Properties

Application	<ul style="list-style-type: none"> • Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology • Due to special PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering
Properties	<ul style="list-style-type: none"> • High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Halogen free • Silicone and talcum free • RoHS compliant

21.03.2018 – Subject to technical modification

Part-No. 196938.1000

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

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SYSTEMATIC TECHNOLOGY

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Technical data

Number of conductors/cross-section	(4G1.5+(2×0.75)+(2×AWG22))
Number of conductors	8
Cable length	10 m
Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000
Test voltage	3000 V
Insulation resistance	> 500 MΩ
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	5×D
Minimum bending radius moving	7.5×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus UL AWM 21223
Cable used	111600
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G1.5+(2×0.75)+(2×AWG22))
Number of conductors	8
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Control pair	colour-coded black, white with foil tape and braided shield
Conductor insulation	Special Polyolefin
Overall stranding	strands braided together
Overall wrapping	Non-woven material
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR

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Surface	matt adhesion-free
Jacket color	orange RAL 2003

General

Note * Beckhoff article designations are registered trademarks of Beckhoff, and are for reference purposes only

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

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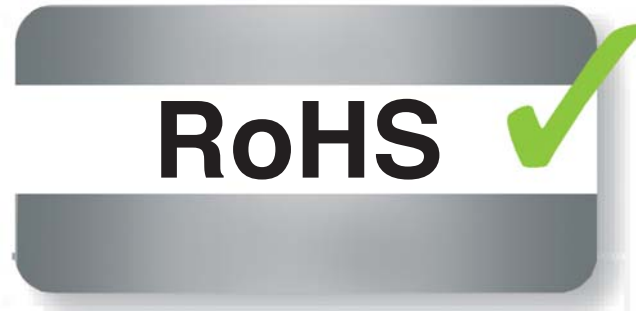
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Logo



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