

OCT hybrid cables for C-tracks

According to Beckhoff standard Single-cable Hybrid SERVO motor lines



Application

- Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology
- Through full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

Properties

- High active and passive interference resistance (EMC)
- Braided shield optimised for continuous flexing use
- Very good alternating bending strength
- Low adhesion, abrasion-resistant, nick-resistant, tear-resistant
- Weathering, ozone and UV resistant (normal lighting conditions)
- industrial- and salt water resistant
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene
- Halogen free
- Talc free and silicone free
- RoHS compliant

Construction

Jacket material
Surface

Special PUR
matte, adhesion-free

Jacket color

orange RAL 2003

Technical data

Rated voltage U_N
Temperature range fixed
Temperature range moving
Minimum bending radius fixed
Minimum bending radius moving
Burning behavior according to

1000 V 80 °C
-40 °C ... +80 °C
-25 °C ... +80 °C
5xD
7.5xD
IEC 60332-1
DIN EN 50265-2
VDE 0482 Part 265-2
UL 1581 part 1080 VW-1
UL FT1
EN 50267-2-1

Halogen free according to
Certifications

cURus
UL AWM 21223
**max. cable lengths incl. extension
based on Beckhoff standard**
without motor choke max. 25 m – 35 m
with motor choke max. 50 – 100 m
depending on servo system
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Note

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Part No.	Beckhoff designation*	Cable length m	Number of conductors/cross- section	Outer Ø mm
Base cable speed-connect				
196938.1000	A* ZK4500-8023-0100	10.0	(4G1.5+(2×1.0)+(2×AWG22))	13.2
196955.1000	A* ZK4500-8024-0100	10.0	(4G2.5+(2×1.0)+(2×AWG22))	14.0
170430.1000	A* ZK4500-8025-0100	10.0	(4×4.0+(2×1.0)+(2×AWG22))	15.8
196495.1000	A* ZK4500-8022-0100	10.0	(4G1.0+(2×0.75)+(2×AWG22))	11.8
171395.1000	A* ZK4800-8022-0100	10.0	(4G1.0+(2×0.75)+(2×AWG22))	11.8
171523.1000	A* ZK4800-8023-0100	10.0	(4G1.5+(2×1.0)+(2×AWG22))	13.2
171743.1000	A* ZK4800-8024-0100	10.0	(4G2.5+(2×1.0)+(2×AWG22))	14.0
171744.1000	A* ZK4800-8025-0100	10.0	(4×4.0+(2×1.0)+(2×AWG22))	15.8