

ZK4000-2104-2zzz | Connecting cables 6 mm², not assembled, drag-chain suitable



Electrical data	
Operating voltage	max. 1000 V AC (UL), U _o /U 600/1000 V (VDE)
Insulation resistance	10 MΩ * km
Wire resistance	≤ 13.3 Ω/km
Test voltage	4000 V, 50 Hz, 5 min. (wire/wire and wire/screen)
Mechanical data	
Cross section	4 x 6.0 mm ² + 2 x 1.5 mm ²
Min. bending radius, moved in drag chain	7.5 x outer cable diameter
Min. bending radius, fixed installation	4 x outer cable diameter
Outer cable diameter	16.8 mm ± 0.3 mm (0.6614" ± 0.0118")
Conductor material	Copper bare
Optical covering factor of shielding	≥ 80%
Use	drag-chain suitable
Max. acceleration	50 m/s ² (depending on travel distance)
Max. speed	5 m/s
Max. travel distance	50 m (horizontal)
Max. number of cycles	10 million
Jacket colour	orange

Material jacket	PUR (polyurethane)
Wire insulation material	PP (polypropylene)
Printing colour	black
Torsion angle in °/m	max. ± 30 °/m
Max. tensile load, dynamic	20 N/mm ²
Max. tensile load, static	50 N/mm ²
Environmental data	
Operation temperature range, moved	-20...+60 °C, -4...+140 °F
Operation temperature range, fixed installation	-50...+80 °C, -58...+176 °F
Oil resistance	according to DIN EN 60811-2-1, HD22.10 appendix A
Flame-retardant	according to IEC 60332-1-1, 1-3
CFC-free	yes
Halogen-free	according to DIN VDE 0472 Teil 815
Silicone-free	yes
RoHS compliant	yes
Approvals	UL-Style 21223

Notes

- Depending on the cable length (L), the following length tolerances apply: ± 2-3 %
- Illustrations similar
- The last three digits of the ordering information is the cable length in decimeters, e.g. ZK4xxx-xxxx-x020 = cable length 2.00 m

Ordering information	Length
ZK4000-2104-2zzz	sold by the metre

Beckhoff®, TwinCAT®, TwinCAT/BSD®, TC/BSD®, EtherCAT®, EtherCAT G®, EtherCAT G10®, EtherCAT P®, Safety over EtherCAT®, TwinSAFE®, XFC®, XTS® and XPlanar® are registered trademarks of and licensed by Beckhoff Automation GmbH. Other designations used in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owners.

© Beckhoff Automation GmbH & Co. KG 09/2021

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual application do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.