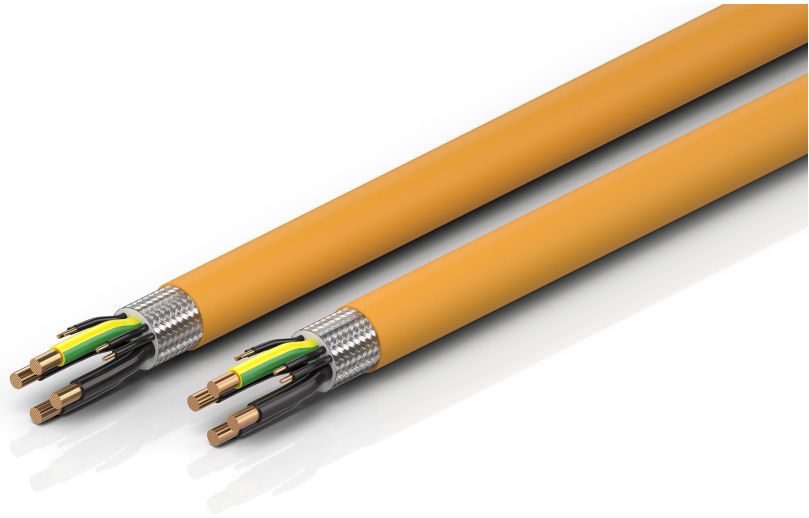
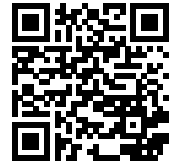


# ZK4509-0018-0zzz | Motor connection cable 16 mm<sup>2</sup> not assembled, drag-chain suitable



Electrical data	
Operating voltage	max. 1000 V AC (UL)
Insulation resistance	≥ 500 MΩ * km (DIN EN 50395)
Wire resistance (power)	≤ 1.21 Ω/km (DIN EN 50395)
Wire resistance (signal/24V)	≤ 13.3 Ω/km (DIN EN 50395)
Wire resistance (brake)	≤ 13.3 Ω/km (DIN EN 50395)
Test voltage	4000 V, 50 Hz, 5 min. (wire/wire and wire/screen)
Mechanical data	
Cross section (power)	16 mm <sup>2</sup> (approx. AWG5)
Cross section (signal)	1.5 mm <sup>2</sup> (approx. AWG16)
Cross section (brake)	1.50 mm <sup>2</sup> (approx. AWG16)
Min. bending radius, moved in drag chain	10 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Outer cable diameter	23.0 mm ± 0.5 mm (0.9055" ± 0.0197")
Conductor material	Copper bare
Optical covering factor of shielding	≥ 85%
Use	drag-chain suitable
Max. acceleration	5 m/s <sup>2</sup> (depending on travel distance)

Max. speed	3 m/s
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
<b>Environmental data</b>	
Operation temperature range, moved	-30...+80 °C, -22...+176 °F, in drag-chain applications: -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 60332-1-2 UL758 cable flame test
Halogen-free	DIN VDE 0472 part 815
Silicone-free	yes
RoHS compliant	yes
Approvals	UL758 (AWM) Style 20234 (jacket) and Style 10492 (core)

## Notes

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

Ordering information	Length
ZK4509-0018-0zzz	sold by the metre

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