



**Motor cable | ZK4509-0023-zzzz**

PUR, orange, drag chain usable, (4x1.5+2x(2x0.75mm<sup>2</sup>))

**Cable**

Electrical data	
Rated voltage	1000 VAC
Insulation resistance	10 MΩ*km
wire resistance (power)	13.3 Ω/km (according to DIN EN 50395)
wire resistance (control)	26 Ω/km (according to DIN EN 50395)
Dielectric strength wire/wire	4 kV
Dielectric strength wire/shield	2 kV
Mechanical data	
Conductor construction (power)	84 strands
Conductor construction (control)	42 strands
Cross section (power)	1.5 mm <sup>2</sup> (AWG16)
Cross section (control)	0.75 mm <sup>2</sup> (AWG19)
max. Bending radius, moved	7x cable outer diameter
max. Bending radius, fixed installation	4x cable outer diameter
Drag chain usable	yes
Weight	237 kg/km (159lb/1000ft)
Cable outer diameter	12.4 mm ±0.3 mm (0.488" ±0.012")
Conductor material	Copper, blank
Optical covering factor of shielding	≥85%
max. Acceleration	30 m/s <sup>2</sup>
max. Speed	4 m/s
torsion angle	±30 °/m
max. Number of cycles	10 million
Wall thickness of wire insulation (power)	0.4 mm
Wall thickness of wire insulation (control)	0.45 mm
Wall thickness of jacket	1.2 mm
Jacket color	orange, DESINA
Jacket material	PUR (polyurethane)
Wire insulation material	U/L1/C/L+, V/L2, W/L3/D/L-, green-yellow, 5+6, 7+8
Wire insulation material	TPM
Printing on the jacket	4G1,5 + 2x(2x0,75)/C C E170315 cRUus AWM STYLE 20234 AWM I/II A/B 80°C 1000V FT1 week/year of production - DESINA
Printing color	black

<b>Environmental data</b>	
Operation temperature range, moved	-20°C up to 60°C (-4°F up to 140°F)
Operation temperature range, fixed installation	-40°C up to 80°C (-40°F up to 176°F)
UV resistance	yes
Oil resistance	yes
Acid, lye and solvent resistance	depends on medium, concentration, temperature and time
Other characteristics	RoHS-conform, flame resistant, free from harmful substances, halogen, silicon, CFC
Approvals	AWM-Style 20234
<b>Ordering information</b>	
ZK4509-0023-zzzz	product sold by meter