



Motor cable | ZK4509-0016-zzzz

PUR, orange, drag chain usable, (4x6+(2x1.0)+(2x1.5mm²))

Cable

Electrical data	
Rated voltage	1000 VAC
Insulation resistance	500 MΩ*km (according to DIN EN 50395)
wire resistance (power)	3.3 Ω/km (according to DIN EN 50395)
wire resistance (control)	19.5 Ω/km and 13.3 Ω/km (according to DIN EN 50395)
Dielectric strength wire/wire	4 kV (according to DIN VDE0472 T.509C)
Dielectric strength wire/shield	4 kV (according to DIN VDE0472 T.509C)
Mechanical data	
Conductor construction	19 strands
Cross section (power)	6 mm ² (AWG10)
Cross section (control)	1.0 mm ² and 1.5 mm ² (AWG18 / AWG16)
max. Bending radius, moved	7.5x cable outer diameter
max. Bending radius, fixed installation	4x cable outer diameter
Drag chain usable	yes
Weight	600 kg/km (403lb/1000ft)
Cable outer diameter	17.6 mm ±0.4 mm (0.693" ±0.015")
Conductor material	Copper, blank
Optical covering factor of shielding	≥85%
max. Acceleration	50 m/s ²
max. Speed	5 m/s
torsion angle	±30 °/m
max. Number of cycles	10 million
Wall thickness of wire insulation (power)	0.7 mm
Wall thickness of wire insulation (control)	0.4 mm
Wall thickness of jacket	1.4 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	PP (polypropylene)
Printing on the jacket	TS 121 4 G 6 + (2 x 1 C) + (2 x 1,5 C) C E170315 cRUus AWM STYLE 21223 AWM I/II A/B 80°C 1000V FT1 - DESINA - HKW VDE-REG.NR. 8429 order no. CE
Printing color	black
Environmental data	
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 (according to HD 22.10 Anhang A DIN EN 60811-2-1)
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	UL758 AWM-Style 21223 and 10492
Ordering information	
ZK4509-0016-zzzz	product sold by meter