

Motor Connection Cables



SL 863 C

Stationary PVC motor connection cable with black power conductors, a shielded control pair and overall tinned copper shield, low capacitance 0.6/1 kV



Marking for SL 863 C 8631415:

SAB BRÖCKSKES · D-VIERSEN · 8631415 SL 863 C 4 x 1.50 mm² + (2 x 1.50 mm²) DESINA AWM Style 21179 80°C 1000V CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	power supply conductors: black conductors with printing conductor 1: U/L1/C/L+ conductor 2: V/L2 conductor 3: W/L3/D/L- and a green/yellow ground control conductors: with numbers 5+6
Stranding:	control conductors twisted to pairs
Shielding:	tinned copper braiding
Wrapping:	PETP foil
Stranding:	shielded control pairs and power supply conductors twisted together in layers
Wrapping:	PETP foil
Shielding:	tinned copper braiding
Jacket material:	PVC
Jacket color:	orange (RAL 2003)

Outstanding features:

	<ul style="list-style-type: none"> ● UL recognized ● Very good EMC characteristics ● Low capacitance ● Very good stripping ● Very good oil resistance
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item no.	power supply conductors	control pair individually shielded	outer-ø		cable weight ≈lbs/mft
			±10% inch	±10% mm	
▶ 8631425	14 AWG/ 4c	16 AWG/ 1pr	0.480	12.2	172
▶ 8631440	12 AWG/ 4c	16 AWG/ 1pr	0.539	13.7	218
▶ 8631460	10 AWG/ 4c	16 AWG/ 1pr	0.638	16.2	317

Other dimensions and colors are available on request

Technical data:

Peak operating voltage:	control conductors: max. 350 V	
Nominal voltage:	power supply conductors: U _o /U 0.6/1 kV	
Voltage UL:	power supply conductors: 1000 V	
Voltage UL:	control conductors: 1000 V	
Testing voltage:		
<i>power supply conductors:</i>	conductor/conductor:	4000 V
	conductor/shielding:	4000 V
<i>control conductors:</i>	conductor/conductor:	2000 V
	conductor/shielding:	2000 V
Min. bending radius:		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
Temperature range:	DIN VDE	UL/CSA: up to +80°C
<i>static:</i>	-30/+70°C	
<i>flexible:</i>	0/+70°C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2; UL FT1	
Oil resistance:	very good - TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1	
Approvals:	UR AWM, CE, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

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