

# Servo Motor Cables

## SL 863 C

PVC motor connection cable with a 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 mm<sup>2</sup> + (2 x 1.50 mm<sup>2</sup>) **DESINA** AWM Style 21179 80°C 1000V CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	special polymer
<b>Color code:</b>	<b>supply conductors:</b> 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 <b>control conductors:</b> with numbers 5+6
<b>Stranding:</b>	control conductor twisted to pairs
<b>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	PETP foil
<b>Stranding:</b>	shielded control pairs and supply conductors twisted together in layers
<b>Wrapping:</b>	PETP foil
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	PVC
<b>Jacket color:</b>	orange (RAL 2003)

### Outstanding features:

- UL recognition
- very good EMC characteristics
- low capacitance construction
- very good stripping
- very good oil resistance

### Technical data:

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

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item no.	power conductors	single pairs individually shielded	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 8631415	16 AWG/ 4c	16 AWG/ 1pr	0.409	10.4	120
▶ 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
▶ 8631470	8 AWG/ 4c	16 AWG/ 1pr	0.744	18.9	452
▶ 8631480	6 AWG/ 4c	16 AWG/ 1pr	0.917	23.3	655
▶ 8631490	4 AWG/ 4c	16 AWG/ 1pr	1.051	26.7	916
▶ 8631495	2 AWG/ 4c	16 AWG/ 1pr	1.173	29.8	1202

Other dimensions and colors are available on request

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