

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 08631415:

SAB BRÖCKSKES · D-VIERSEN · 08631415 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:	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 conductor twisted to pairs
Shielding:	tinned copper braiding
Wrapping:	PETP foil
Stranding:	shielded control pairs and supply conductors twisted together in layers
Wrapping:	PETP foil
Shielding:	tinned copper braiding
Jacket material:	PVC
Jacket color:	orange (RAL 2003)

Outstanding features:

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

Technical data:

Nominal voltage:	supply conductors: U ₀ /U 0.6/1 kV
Voltage UL:	supply conductors: 1000 V
Peak operating voltage:	control conductors: max. 350 V
Voltage UL:	control conductors: 1000 V
Testing voltage:	
supply conductors:	conductor/conductor: 4000 V conductor/shielding: 4000 V
control conductors:	conductor/conductor: 2000 V conductor/shielding: 2000 V
Min. bending radius:	
fixed installation:	5 x O.D.
free movement:	10 x O.D.
Temperature range:	DIN VDE UL/CSA: up to +80°C
static:	-30/+70°C
flexible:	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, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	power conductors	single pairs individually shielded	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 08631415	16 AWG/ 4c	16 AWG/ 1pr	0.409	10.4	120
▶ 08631425	14 AWG/ 4c	16 AWG/ 1pr	0.480	12.2	172
▶ 08631440	12 AWG/ 4c	16 AWG/ 1pr	0.539	13.7	218
▶ 08631460	10 AWG/ 4c	16 AWG/ 1pr	0.638	16.2	317
▶ 08631470	8 AWG/ 4c	16 AWG/ 1pr	0.744	18.9	452
▶ 08631480	6 AWG/ 4c	16 AWG/ 1pr	0.917	23.3	655
▶ 08631490	4 AWG/ 4c	16 AWG/ 1pr	1.051	26.7	916
▶ 08631495	2 AWG/ 4c	16 AWG/ 1pr	1.173	29.8	1202

Other dimensions and colors are available on request

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