

Servo Motor Cables

SL 863 C

low capacity combined PVC motor connection cable with overall copper screen 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

C
16

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Colour code:	supply cores: black cores with printing core 1: U/L1/C/L+ core 2: W/L2 core 3: W/L3/D/L- and a green-yellow earth wire control cores: with numbers 5+6
Stranding:	control cores twisted to pairs
Screen:	tinned copper braiding
Wrapping:	PETP foil
Stranding:	screened control pair and supply cores twisted together in layer
Wrapping:	PETP foil
Screen:	tinned copper braiding
Sheath material:	PVC
Sheath colour:	orange (RAL 2003)

Technical data:

Nominal voltage:	supply cores U ₀ /U 0.6/1 kV
Voltage UL:	supply cores 1000 V
Peak operating voltage:	control cores max. 350 V
Voltage UL:	control cores 1000 V
Testing voltage:	supply cores core/core 4000 V core/screen 4000 V control cores core/core 2000 V core/screen 2000 V
Min. bending radius	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
Temperature range	DIN VDE UL: up to +80 °C
<i>fixed laying:</i>	-30/+70 °C
<i>flexible application:</i>	+0/+70 °C
Fire performance:	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
Absence of harmful substances:	acc. to RoHS directive of the European Union see chapter N „Technical Data“

Outstanding features:



- UL recognized
- very good EMC characteristics
- very good stripping
- low capacity construction
- very good oil resistance

item no.	dimensions	AWG		largest single wire ø mm	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
		supply cores	control cores (pairs)				
08631415	4 x 1,50 + (2 x 1,50)	16 / 4c	16 / 1pr	0,26/0,26	10,4	133,4	178
08631425	4 x 2,50 + (2 x 1,50)	14 / 4c	16 / 1pr	0,26/0,26	12,2	196,7	256
08631440	4 x 4,00 + (2 x 1,50)	12 / 4c	16 / 1pr	0,31/0,26	13,7	260,0	324
08631460	4 x 6,00 + (2 x 1,50)	10 / 4c	16 / 1pr	0,31/0,26	16,2	374,9	472
08631470	4 x 10,00 + (2 x 1,50)	8 / 4c	16 / 1pr	0,41/0,26	18,9	542,3	672
08631480	4 x 16,00 + (2 x 1,50)	6 / 4c	16 / 1pr	0,41/0,26	23,3	802,2	975
08631490	4 x 25,00 + (2 x 1,50)	4 / 4c	16 / 1pr	0,41/0,26	26,7	1178,5	1363
08631495	4 x 35,00 + (2 x 1,50)	2 / 4c	16 / 1pr	0,41/0,26	29,8	1586,4	1789

Other dimensions and colours are possible on request.

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