

# Servo Motor Cables

## SL 833 C

TPE/PUR motor connection cable with overall tinned copper shield 0.6/1 kV



20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

Marking for SL 833 C 8331604:

SAB BRÖCKSKES · D-VIERSEN · 8330415 4 x 1.5 mm<sup>2</sup> SL 833 C 16 AWG/4c 1000V 8331604 **DESINA** AWM Style 20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green/yellow ground
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	non-woven tape
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	PU acc. to UL 758
<b>Jacket color:</b>	orange (RAL 2003)

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0.6/1 kV	
<b>Voltage UL:</b>	1000 V	
<b>Testing voltage:</b>	conductor/conductor:	4000 V
	conductor/shielding:	4000 V
<b>Min. bending radius:</b>		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
<i>continuous flexing:</i>	12 x O.D.	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cuj/kg	
<b>Temperature range:</b>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +80°C
<i>static:</i>	-50/+80°C	
<i>flexing:</i>	-40/+80°C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2	
<b>Oil resistance:</b>	very good - oil rating 60°C acc. to UL 1581	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.	
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

### Outstanding features:

- UL recognized, CSA approval
- very good EMC characteristics
- very high flexibility
- suitable for cable tracks
- oil resistant
- very long service life
- adhesion-free installation
- free from paint wetting impairment substances (PWIS-free)
- flexible at low temperatures
- in accordance with Siemens 6FX8008
- DESINA® colors (see page G/3)

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 16 AWG (≈ 84/34) ▪ 1.50 mm <sup>2</sup>				
8331604	4	0.358	9.1	85
▶ 14 AWG (≈ 140/34) ▪ 2.50 mm <sup>2</sup>				
8331404	4	0.433	11.0	129
▶ 12 AWG (≈ 224/34) ▪ 4.00 mm <sup>2</sup>				
8331204	4	0.492	12.5	183

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 10 AWG (≈ 186/32) ▪ 6.00 mm <sup>2</sup>				
8331004	4	0.61	15.5	268
▶ 8 AWG (≈ 320/32) ▪ 10.00 mm <sup>2</sup>				
8330804	4	0.701	17.8	406
▶ 6 AWG (≈ 504/32) ▪ 16.00 mm <sup>2</sup>				
8330604	4	0.898	22.8	639

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 4 AWG (≈ 760/32) ▪ 25.00 mm <sup>2</sup>				
8330404	4	1.012	25.7	894
▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm <sup>2</sup>				
8330204	4	1.15	29.2	1164
▶ 1 AWG (≈ 703/28) ▪ 50.00 mm <sup>2</sup>				
8330104	4	1.35	34.3	1631

Other dimensions and colors are available on request



for DNC motors  
on frequency converters

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