

SERVO MOTOR CABLES

low capacitance



SL 834 C PUR motor connection cable with overall tinned copper screen, low capacitance 0.6/1 kV



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

Marking for SL 834 C 08340415: SAB BRÖCKSKES · D-VIERSEN · 08340415 4G 1.5 mm²

SL 834 C 16 AWG/4c 1000V 08341604 **DESINA** AWM Style 20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

SL 834 C is a halogen-free UL recognized and CSA approved, highly flexible, continuous flex motor supply cable which has been designed for automated servo systems. The special ultra flexible design makes SL 834 C ideally suited for small bend radius applications, such as cable track, automated handling equipment and other continuous movement applications.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	special Polymer
Color code:	black conductors with consecutive numbers acc. to EN 50334 and a green-yellow earth wire
Stranding:	in layers
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Jacket material:	TMPU acc. to DIN EN 50363-10-2 with mat surface
Jacket color:	orange

Outstanding features:

- UL recognition, CSA approval
- low capacitance construction
- very good EMC characteristics
- halogen-free
- very high flexibility
- suitable for cable tracks
- very good oil resistance
- very long service life
- adhesion-free installation
- free from paint wetting disruptive substances (LABS - free)
- flexible at low temperatures
- DESINA® colors (see page G/3)

Technical data:

Nominal voltage:	DIN VDE Uo/U 0.6/1 kV	
Voltage:	UL/CSA 1000 V	
Testing voltage:	conductor/conductor 4000 V conductor/screen 2000 V	
Min. bending radius		
fixed installation:	5 x O.D.	
free movement:	10 x O.D.	
for continuous flexing:	12 x O.D.	
Temperature range	DIN VDE	UL/CSA: up to +80°C
static:	-50/+70°C	
flexing:	-40/+70°C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2, EN 60332-1-2, UL FT1 and CSA FT1 FT2	
Oil resistance:	very good - TMPU acc. to DIN EN 50363-10-2	
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

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item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	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 ²				▶ 10 AWG (≈ 186/32)	• 6.00 mm ²				▶ 4 AWG (≈ 760/32)	• 25.00 mm ²			
08341604	4	0.354	9.0	85	08341004	4	0.598	15.2	267	08340404	4	1.008	25.6	876
▶ 14 AWG (≈ 140/34)	• 2.50 mm ²				▶ 8 AWG (≈ 320/32)	• 10.00 mm ²				▶ 2 AWG (≈ 1083/32)	• 35.00 mm ²			
08341404	4	0.425	10.8	131	08340804	4	0.693	17.6	406	08340204	4	1.138	28.9	1176
▶ 12 AWG (≈ 224/34)	• 4.00 mm ²				▶ 6 AWG (≈ 504/32)	• 16.00 mm ²				▶ 1 AWG (≈ 703/28)	• 50.00 mm ²			
08341204	4	0.488	12.4	181	08340604	4	0.894	22.7	640	08340104	4	1.358	34.5	1671

Other dimensions and colors are possible on request.

SIEMENS



For DNC motors on frequency converters.

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