

Servo Motor Cables



SL 834 C

Continuous flex polyurethane motor connection cable with black numbered conductors and overall tinned copper shield, low capacitance 0.6/1 kV



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



Marking for SL 834 C 8341604:

SAB BRÖCKSKES · D-VIERSEN · 8340415 4 x 1.5 mm² SL 834 C 16 AWG/4c 1000V 8341604 **DESINA** AWM Style 20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

Construction:

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

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV	
Voltage UL/CSA:	1000 V	
Testing voltage:	conductor/conductor:	4000 V
	conductor/shielding:	4000 V
Min. bending radius:		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range:	DIN VDE	UL/CSA: up to +80°C
<i>static:</i>	-50/+90°C	
<i>flexible:</i>	-40/+90°C	
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2; CSA FT1, FT2	
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
Chemical resistance:	good - against acids, alkalines, solvents, hydraulic liquids, etc.	
Approvals:	UR AWM, CSA AWM, CE, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

Outstanding features:

- UL recognized, CSA approval
- Low capacitance
- 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 impairment substances (PWIS-free)
- Flexible at low temperatures
- DESINA® colors (see page G/3)

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DESINA

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 16 AWG (≈ 84/34) ▪ 1.50 mm ²				
8341604	4	0.354	9.0	85
▶ 14 AWG (≈ 140/34) ▪ 2.50 mm ²				
8341404	4	0.425	10.8	131
▶ 12 AWG (≈ 224/34) ▪ 4.00 mm ²				
8341204	4	0.488	12.4	181

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 10 AWG (≈ 186/32) ▪ 6.00 mm ²				
8341004	4	0.606	15.4	267
▶ 8 AWG (≈ 320/32) ▪ 10.00 mm ²				
8340804	4	0.693	17.6	406
▶ 6 AWG (≈ 504/32) ▪ 16.00 mm ²				
8340604	4	0.894	22.7	640

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 4 AWG (≈ 760/32) ▪ 25.00 mm ²				
8340404	4	1.008	25.6	875
▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm ²				
8340204	4	1.138	28.9	1176
▶ 1 AWG (≈ 703/28) ▪ 50.00 mm ²				
8340104	4	1.358	34.5	1670

Other dimensions and colors are available on request



low capacity for your frequency controlled drives and motors

Note: DESINA® is a registered trademark of the German Machine Tool Builders' Association.

