

Servo Motor Cables

SL 834 C

PUR motor connection cable with overall tinned copper shield, low capacitance 0.6/1 kV



Marking for SL 834 C 08341604:

SAB BRÖCKSKES · D-VIERSEN · 08340415 4 x 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

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)

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 impairment substances (PWIS-free)
- flexible at low temperatures
- DESINA® colors (see page G/3)

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. <i>for continuous flexing:</i> 12 x O.D.
Radiation resistance:	5 x 10 ⁷ cuj/kg
Temperature range:	DIN VDE UL/CSA: up to +80°C <i>static:</i> -50/+70°C <i>flexible:</i> -40/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, 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:	UL AWM, CSA AWM, CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30



for DNC motors
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item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 16 AWG (≈ 84/34) ▪ 1.50 mm ²				
08341604	4	0.354	9.0	85
▶ 14 AWG (≈ 140/34) ▪ 2.50 mm ²				
08341404	4	0.425	10.8	131
▶ 12 AWG (≈ 224/34) ▪ 4.00 mm ²				
08341204	4	0.488	12.4	181

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 10 AWG (≈ 186/32) ▪ 6.00 mm ²				
08341004	4	0.606	15.4	267
▶ 8 AWG (≈ 320/32) ▪ 10.00 mm ²				
08340804	4	0.693	17.6	406
▶ 6 AWG (≈ 504/32) ▪ 16.00 mm ²				
08340604	4	0.894	22.7	640

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 4 AWG (≈ 760/32) ▪ 25.00 mm ²				
08340404	4	1.008	25.6	875
▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm ²				
08340204	4	1.138	28.9	1176
▶ 1 AWG (≈ 703/28) ▪ 50.00 mm ²				
08340104	4	1.358	34.5	1670

Other dimensions and colors are available on request

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