

# Servo Motor Cables

## SL 834 C

low capacity PUR motor connection cable with overall copper screen 0.6/1 kV



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



marking example:

SAB BBRÖCKSKES · D-VIERSEN · 08340415 4x1,5mm<sup>2</sup> 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:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	special polymer
<b>Colour code:</b>	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green-yellow earth wire
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	tinned copper braiding
<b>Sheath material:</b>	PUR
<b>Sheath colour:</b>	orange (RAL 2003)

### Technical data:

<b>Nominal voltage:</b>	U <sub>o</sub> /U 0.6/1 kV	
<b>Voltage UL/CSA:</b>	1000 V	
<b>Testing voltage:</b>	core/core	4000 V
	core/screen	4000 V
<b>Min. bending radius</b>		
<i>fixed laying:</i>	5 x d	
<i>flexible application:</i>	10 x d	
<b>Temperature range</b>	DIN VDE	UL/CSA: up to +80 °C
<i>fixed laying:</i>	-50/+90 °C	
<i>flexible application:</i>	-40/+90 °C	
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1	
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, CSA FT1, FT2	
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

### Outstanding features:

- » UL recognized, CSA approval
- » low capacity 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
- » PWIS uncritical  
(PWIS = paint-wetting impairment substances)
- » flexible at low temperatures
- » PFAS free
- » DESINA® colours (see page C/3)

low capacity  
for your frequency controlled  
drives and motors

item no.	no. of cores x cross section n x mm <sup>2</sup>	AWG	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
08340415	4 x 1,50	16/4c	0,16	9,0	83,5	126
08340425	4 x 2,50	14/4c	0,16	10,8	142,5	195
08340440	4 x 4,00	12/4c	0,16	12,4	206,5	270
08340460	4 x 6,00	10/4c	0,21	15,4	298,1	398
08340470	4 x 10,00	8/4c	0,21	17,6	494,7	604
08340480	4 x 16,00	6/4c	0,21	22,7	749,7	953
08340490	4 x 25,00	4/4c	0,21	25,6	1119,8	1303
08340495	4 x 35,00	2/4c	0,21	28,9	1532,9	1750
08340496	4 x 50,00	1/4c	0,31	34,5	2144,5	2486

Other dimensions and colours are possible on request.

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