

## SL 851 C (2YSLCYK-J) PE/PVC motor connection cable with overall copper screen 0.6/1 kV



© D-VIERSEN · SL 851 C 4 x 1,5 mm<sup>2</sup> CE

Marking for SL 851 C 08510415:  
SAB BRÖCKSKES · D-VIERSEN · SL 851 C 4 x 1,5 mm<sup>2</sup> CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	PE L/MD acc. to VDE 0819 part 103
<b>Colour code:</b>	coloured acc. to HD 308 (VDE 0293 part 308) and a green-yellow earth wire
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	Alu-foil
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	special PVC
<b>Sheath colour:</b>	black (RAL 9005)

### Outstanding features:

- low surface transfer impedance
- low mutual capacitance
- very good EMC characteristics

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0.6/1 kV
<b>Maximum operating voltage:</b>	<i>in three-phase current and single phase current operation:</i> U <sub>0</sub> /U 0,7/1,2 kV <i>in D.C. current operation:</i> U <sub>0</sub> /U 0,9/1,8 kV <i>peak value of alternating current:</i> U <sup>^</sup> 1,7 kV
<b>Testing voltage U:</b>	4000 V core/screen 2500 V
<b>Min. bending radius</b>	≤ 12 mm > 12 mm up to ≤ 20 mm > 20 mm
<i>fixed laying:</i>	5 x d 7,5 x d 10 x d
<i>flexible application:</i>	10 x d 15 x d 20 x d
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>fixed laying:</i>	-30/+70 °C
<i>flexible application:</i>	-15/+70 °C
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2, EN 60332-1-2
<b>Oil resistance:</b>	acc. to internal standard, see page N/13
<b>Chem. resistance:</b>	see page N/9
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/14

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item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
08510415	4 x 1,50	0,26	10,7	107,5	173
08510425	4 x 2,50	0,26	12,3	164,2	242
08510440	4 x 4,00	0,31	14,3	221,2	328
08510460	4 x 6,00	0,31	16,2	330,6	455
08510470	4 x 10,00	0,41	20,0	514,1	711
08510480	4 x 16,00	0,41	25,7	768,6	1111
08510490	4 x 25,00	0,41	30,3	1228,2	1684
08510495	4 x 35,00	0,41	34,2	1624,7	2218
08510496	4 x 50,00	0,41	37,0	2225,1	2710

Other dimensions and colours are possible on request.



for DNC motors  
on frequency  
converters  
U<sup>^</sup> 1,7 kV