

SL 851 C



Marking for SL 851 C 08510415:
SAB BRÖCKSKES · D-VIERSEN · SL 851 C 4 x 1,5 mm² CE

Construction:

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

Outstanding features:

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

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV
Maximum operating voltage:	<i>in three-phase current and single phase current operation:</i> U ₀ /U 0,7/1,2 kV <i>in D.C. current operation:</i> U ₀ /U 0,9/1,8 kV <i>peak value of alternating current:</i> U [^] 1,7 kV
Testing voltage U:	4000 V core/screen 2500 V
Min. bending radius	≤ 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
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range	
<i>fixed laying:</i>	-30/+70 °C
<i>flexible application:</i>	-15/+70 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Oil resistance:	acc. to internal standard, see page N/15
Chem. resistance:	see page N/11
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

item no.	no. of cores x cross section n x mm ²	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[^] 1,7 kV