

SL 851 C

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

D-C M D-VIERSEN · SL 851 C 4 x 1,5 mm² CE



Marking for SL 851 C 08510415:

SAB BRÜCKSKES · D-VIERSEN · SL 851 C 4 x 1,5 mm² CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	PE L/MD acc. to EN 50290-2-23 + VDE 0819-103
Colour code:	coloured acc. to HD 308 (VDE 0293-308) 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

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV
Maximum operating voltage:	in three-phase current and single phase current operation: U ₀ /U 0,7/1,2 kV in D.C. current operation: U ₀ /U 0,9/1,8 kV peak value of alternating current: U [^] 1,7 kV
Testing voltage:	core/core 4000 V core/screen 4000 V
Min. bending radius	≤ 12 mm > 12 mm up to ≤ 20 mm > 20 mm
fixed laying:	5 x d 7,5 x d 10 x d
flexible application:	10 x d 15 x d 20 x d
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range	
fixed laying:	-30/+70 °C
flexible application:	-15/+70 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	acc. to internal standard, see chapter N „Technical Data“
Chem. resistance:	see chapter N „Technical Data“
Absence of harmful substances:	acc. to RoHS directive of the European Union see chapter N „Technical Data“

C
13

item no.	no. of cores x cross section n x mm ²	AWG	largest single wire ø mm	outer-ø ± 5 % mm	copper figure kg/km	cable weight ≈ kg/km
08510415	4 x 1,50	16 / 4c	0,26	10,7	107,5	173
08510425	4 x 2,50	14 / 4c	0,26	12,3	164,2	242
08510440	4 x 4,00	12 / 4c	0,31	14,3	221,2	328
08510460	4 x 6,00	10 / 4c	0,31	16,2	330,6	455
08510470	4 x 10,00	8 / 4c	0,41	20,0	514,1	711
08510480	4 x 16,00	6 / 4c	0,41	25,7	768,6	1111
08510490	4 x 25,00	4 / 4c	0,41	30,3	1228,2	1684
08510495	4 x 35,00	2 / 4c	0,41	34,2	1624,7	2218
08510496	4 x 50,00	1 / 4c	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