

Servo Motor Cables

SL 810

PVC motor connection cable 0.6/1 kV

SL 812 C

PVC motor connection cable with overall copper screen 0.6/1 kV

0.6/1 kV

SAB Servo

BRÖCKSKES · D-VIERSEN · SL 810 0,6/1 kV 5 x 1,5 mm² CE

Marking for SL 810 08100515:

SAB BRÖCKSKES · D-VIERSEN · SL 810 0,6/1 kV 5 x 1,5 mm² CE



BRÖCKSKES · D-VIERSEN · SL 812 C 0,6/1 kV 5 x 1,5 mm² CE

Marking for SL 812 C 08120515:

SAB BRÖCKSKES · D-VIERSEN · SL 812 C 0,6/1 kV 5 x 1,5 mm² CE

C
12

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
Colour code:	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 cores
Stranding:	in layers
Sheath material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Sheath colour:	grey (RAL 7000)
SL 812 C:	PVC inner sheath over the stranding tinned copper braiding, PVC outer sheath in grey (RAL 7000)

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV	
Testing voltage		
SL 810:	core/core	4000 V
SL 812 C:	core/core	4000 V
	core/screen	4000 V
Min. bending radius	SL 810	SL 812 C
<i>fixed laying:</i>	4 x d	5 x d
<i>flexible application:</i>	6 x d	10 x d
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature range		
<i>fixed laying:</i>	-40/+70 °C	
<i>flexible application:</i>	+5/+70 °C	
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“	

Outstanding features:



- high functionality
- good handling
- SL 812 C: very good EMC characteristics



for DNC motors
on frequency converters

SL 810

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 weigh ≈ kg/km
08100415	4 x 1,50	0,26	9,6	57,6	142
08100425	4 x 2,50	0,26	11,4	96,0	210
08100440	4 x 4,00	0,31	13,3	153,6	302
08100460	4 x 6,00	0,31	14,9	230,4	407
08100470	4 x 10,00	0,41	20,7	384,0	752
08100480	4 x 16,00	0,41	24,1	614,4	1069
08100490	4 x 25,00	0,41	29,3	960,0	1662
08100495	4 x 35,00	0,41	32,6	1344,0	2197
08100496	4 x 50,00	0,41	37,2	1920,0	3001
08100515	5 x 1,50	0,26	10,9	72,0	182
08100525	5 x 2,50	0,26	12,5	120,0	257
08100540	5 x 4,00	0,31	14,5	192,0	368
08100560	5 x 6,00	0,31	16,3	288,0	497
08100570	5 x 10,00	0,41	22,6	480,0	915
08100580	5 x 16,00	0,41	26,4	768,0	1309
08100590	5 x 25,00	0,41	32,1	1200,0	2039

Other dimensions and colours are possible on request.

SL 812 C

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 weigh ≈ kg/km
08120415	4 x 1,50	0,26	12,0	111,7	232
08120425	4 x 2,50	0,26	13,4	155,7	301
08120440	4 x 4,00	0,31	15,1	250,8	410
08120460	4 x 6,00	0,31	16,7	328,9	521
08120470	4 x 10,00	0,41	20,9	522,2	827
08120480	4 x 16,00	0,41	24,7	783,4	1175
08120490	4 x 25,00	0,41	29,4	1157,7	1743
08120495	4 x 35,00	0,41	33,2	1565,8	2306
08120496	4 x 50,00	0,41	37,5	2165,5	2800
08120515	5 x 1,50	0,26	12,9	131,5	288
08120525	5 x 2,50	0,26	14,7	206,0	366
08120540	5 x 4,00	0,31	16,7	290,5	491
08120560	5 x 6,00	0,31	18,1	399,2	615
08120570	5 x 10,00	0,41	22,8	645,5	890
08120580	5 x 16,00	0,41	27,0	942,8	1393
08120590	5 x 25,00	0,41	32,3	1419,5	2087

Other dimensions and colours are possible on request.