

# Halogen-free Cables

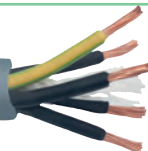
## SABIX® A 810 FRNC

Motor connection cable with numbered conductors, improved fire performance, and extended temperature range

0.6/1 kV

SAB Servo

ES · D-VIERSEN · SABIX® A 810 FRNC rf 0.6/1 kV 5 x 1.5 mm<sup>2</sup> CE



Marking for SABIX® A 810 FRNC 68100515:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 810 FRNC rf 0.6/1 kV 5 x 1.5 mm<sup>2</sup> CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX®
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	SABIX®
<b>Jacket color:</b>	gray (RAL 7000)

### Outstanding features:

- low smoke halogen-free (LSHF)
- no flame propagation
- flame retardant and self-extinguishing

### Technical data:

<b>Nominal voltage:</b>	Uo/U 0.6/1 kV
<b>Testing voltage:</b>	conductor/conductor: 4000 V
<b>Min. bending radius:</b>	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
<b>Temperature range:</b>	
<i>static:</i>	-40/+85°C
<i>flexible:</i>	-30/+85°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 cat. C resp. D Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosivity:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034
<b>Flexibility:</b>	good
<b>Approvals:</b>	CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>▶ 16 AWG (≈ 27-29/30) - 1.50 mm<sup>2</sup></b>				
68100315	3	0.370	9.4	85
68100415	4	0.398	10.1	100
68100515	5	0.433	11.0	118
68100715	7	0.469	11.9	144
<b>▶ 14 AWG (≈ 46/30) - 2.50 mm<sup>2</sup></b>				
68100325	3	0.417	10.6	116
68100425	4	0.453	11.5	138
68100525	5	0.496	12.6	165
68100725	7	0.543	13.8	208
<b>▶ 12 AWG (≈ 52/28) - 4.00 mm<sup>2</sup></b>				
68100340	3	0.469	11.9	157
68100440	4	0.520	13.2	192
68100540	5	0.563	14.3	226
68100740	7	0.618	15.7	292

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>▶ 10 AWG (≈ 78/28) - 6.00 mm<sup>2</sup></b>				
68100360	3	0.524	13.3	207
68100460	4	0.563	14.3	251
68100560	5	0.622	15.8	301
68100760	7	0.677	17.2	389
<b>▶ 8 AWG (≈ 77/26) - 10.00 mm<sup>2</sup></b>				
68100370	3	0.720	18.3	392
68100470	4	0.787	20.0	476
68100570	5	0.862	21.9	568
68100770	7	0.941	23.9	727
<b>▶ 6 AWG (≈ 122/26) - 16.00 mm<sup>2</sup></b>				
68100380	3	0.846	21.5	553
68100480	4	0.925	23.5	677
68100580	5	1.020	25.9	828
68100780	7	1.114	28.3	1065

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>▶ 4 AWG (≈ 190/26) - 25.00 mm<sup>2</sup></b>				
68100390	3	1.020	25.9	850
68100490	4	1.118	28.4	1046
68100590	5	1.236	31.4	1262
68100790	7	1.354	34.4	1643

Other dimensions and colors are available on request