

HALOGEN-FREE CABLES

0.6/1 kV

SABIX® A 810 FRNC Motor connection cable with numbered conductors, improved fire performance and extended temperature range



Marking for SABIX® A 810 FRNC 68100715:
SAB BRÖCKSKES · D-VIERSEN · SABIX® A 810 FRNC rf 0,6/1 kV 7 x 1,5 mm² CE

SABIX® A 810 FRNC is a flexible, halogen free, motor power supply cable which has been designed for automation technology, control machinery, machine and industrial factory, motor construction and drive systems.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	SABIX® 336
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	SABIX® 230
Jacket color:	gray

Outstanding features:

- halogen-free
- no flame propagation
- flame retardant and self-extinguishing

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage U:	4000 V acc. to DIN VDE 0281 part 2 + HD 21.2
Min. bending radius	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
Temperature range	
<i>static:</i>	-40/+85 °C
<i>flexing:</i>	-30/+85 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	no flame propagation acc. to IEC 60332 + EN 50266 cat. C resp. D. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
Corrosivity:	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + EN 61034
Flexibility:	good
Weather resistance:	good
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (27-29/30) • 1.50 mm²				
68100315	3	0.370	9.4	86
68100415	4	0.402	10.2	103
68100515	5	0.445	11.3	124
68100715	7	0.480	12.2	151
▶ 14 AWG (46/36) • 2.50 mm²				
68100325	3	0.429	10.9	121
68100425	4	0.465	11.8	144
68100525	5	0.508	12.9	172
68100725	7	0.555	14.1	215
▶ 12 AWG (52/28) • 4.00 mm²				
68100340	3	0.476	12.1	162
68100440	4	0.524	13.3	198
68100540	5	0.575	14.6	239
68100740	7	0.630	16.0	302

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 10 AWG (78/28) • 6.00 mm²				
68100360	3	0.524	13.3	213
68100460	4	0.571	14.5	259
68100560	5	0.634	16.1	318
68100760	7	0.689	17.5	403
▶ 8 AWG (77/26) • 10.00 mm²				
68100370	3	0.732	18.6	399
68100470	4	0.799	20.3	486
68100570	5	0.874	22.2	579
68100770	7	0.949	24.1	739

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 6 AWG (119/26) • 16.00 mm²				
68100380	3	0.878	22.3	583
68100480	4	0.961	24.4	712
68100580	5	1.067	27.1	873
68100780	7	1.165	29.6	1109
▶ 4 AWG (169/26) • 25.00 mm²				
68100390	3	1.067	27.1	900
68100490	4	1.169	29.7	1106
68100590	5	1.291	32.8	1350
68100790	7	1.413	35.9	1729

Other dimensions and colors are possible on request.

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27