

Halogen-free Cables

SABIX® A 810 FRNC

motor connection cable with numbered cores, improved fire performance and extended temperature range



Marking for SABIX® A 810 FRNC 68100515:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 810 FRNC rf 0,6/1 kV 5 x 1,5 mm² CE

Construction:	
Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
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:	SABIX®
Sheath colour:	grey (RAL 7000)

Outstanding features:	
	● halogen-free
	● no flame propagation
	● flame retardant and self-extinguishing

Technical Data:	
Nominal voltage:	U ₀ /U 0.6/1 kV
Testing voltage:	core/core 4000 V
Min. bending radius	
<i>fixed laying:</i>	4 x d
<i>flexible application:</i>	6 x d
Temperature range	
<i>fixed laying:</i>	-40/+85 °C
<i>flexible application:</i>	-30/+85 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	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, see chapter N „Technical data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + VDE 0482-1034
Flexibility:	good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

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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
68100315	3 x 1,50	0,26	9,4	43,2	127
68100415	4 x 1,50	0,26	10,1	57,6	149
68100515	5 x 1,50	0,26	11,0	72,0	176
68100715	7 x 1,50	0,26	11,9	100,8	215
68100325	3 x 2,50	0,26	10,6	72,0	173
68100425	4 x 2,50	0,26	11,5	96,0	206
68100525	5 x 2,50	0,26	12,6	120,0	245
68100725	7 x 2,50	0,26	13,8	168,0	309
68100340	3 x 4,00	0,31	11,9	115,2	234
68100440	4 x 4,00	0,31	13,2	153,6	286
68100540	5 x 4,00	0,31	14,3	192,0	337
68100740	7 x 4,00	0,31	15,7	268,8	435
68100360	3 x 6,00	0,31	13,3	172,8	308
68100460	4 x 6,00	0,31	14,3	230,4	373

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
68100560	5 x 6,00	0,31	15,8	288,0	448
68100760	7 x 6,00	0,31	17,2	403,2	579
68100370	3 x 10,0	0,41	18,3	288,0	583
68100470	4 x 10,0	0,41	20,0	384,0	709
68100570	5 x 10,0	0,41	21,9	480,0	846
68100770	7 x 10,0	0,41	23,9	672,0	1082
68100380	3 x 16,0	0,41	21,5	460,8	823
68100480	4 x 16,0	0,41	23,5	614,4	1007
68100580	5 x 16,0	0,41	25,9	768,0	1232
68100780	7 x 16,0	0,41	28,3	1075,2	1585
68100390	3 x 25,0	0,41	25,9	720,0	1265
68100490	4 x 25,0	0,41	28,4	960,0	1557
68100590	5 x 25,0	0,41	31,4	1200,0	1878
68100790	7 x 25,0	0,41	34,4	1680,0	2445

Other dimensions and colours are possible on request.