

# HALOGEN-FREE CABLES

acc. to  
NF C32-070 C1

## SABIX® A 224 FRNC C1 Control cable with numbered conductors, improved fire performance and extended temperature range



D-VIERSEN · SABIX® A 224 FRNC C1 50 x 0,5 mm

Marking for SABIX® A 224 FRNC C1 62245005  
SAB BRÖCKSKES · D-VIERSEN · SABIX® A 224 FRNC C1 50 x 0,5 mm² CE

SABIX® A 224 FRNC C1 is a halogen free, multi-conductor, flexible power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. Recommended applications include machinery, data processing equipment, ventilation and air conditioning systems. In case of fire no corrosive gases are produced. This cable is particularly suitable for use where human life and valuable property are exposed to a extremely high risk of fire.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation :</b>	SABIX® 233
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Sheath material:</b>	SABIX® 233
<b>Sheath color:</b>	black

### Outstanding features:

- halogen-free
- no flame propagation
- flame retardant and self-extinguishing
- NF C32-070 C1

### Technical data:

<b>Nominal voltage:</b>	Uo/U 450/750 V
<b>Testing voltage U:</b>	3000 V
<b>Min. bending radius</b>	
fixed laying:	4 x O.D.
flexible application:	6 x O.D.
<b>Temperature range</b>	
fixed laying:	-30/+90 °C
flexible application:	-20/+90 °C
<b>Burning characteristics:</b>	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 + NF C32-070 C1
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + EN 61034
<b>Absence of harmful substances:</b>	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	mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (15/32) • 0.50 mm²</b>				
62240205	2	0.228	5.8	24
62240305	3	0.248	6.3	33
62240405	4	0.268	6.8	40
62240505	5	0.303	7.7	51
62240705	7	0.327	8.3	63
62241005	10	0.425	10.8	94
62241205	12	0.437	11.1	107
62241805	18	0.516	13.1	153
62242505	25	0.626	15.9	212
62243405	34	0.713	18.1	285
62244205	42	0.772	19.6	345
62246105	61	0.902	22.9	483
<b>▶ 19 AWG (23/32) • 0.75 mm²</b>				
62240207	2	0.252	6.4	30
62240307	3	0.276	7.0	41
62240407	4	0.307	7.8	53
62240507	5	0.335	8.5	64
62240707	7	0.370	9.4	84
62241007	10	0.480	12.2	124
62241207	12	0.496	12.6	140
62241807	18	0.591	15.0	207
62242507	25	0.717	18.2	285
62243407	34	0.803	20.4	374
62244207	42	0.874	22.2	460
62246107	61	1.024	26.0	643
<b>▶ 18 AWG (30/32) • 1.00 mm²</b>				
62240210	2	0.268	6.8	36
62240310	3	0.283	7.2	46
62240410	4	0.315	8.0	60

item no.	no. of conductors incl. ground	nominal outer-Ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 18 AWG (30/32) • 1.00 mm²</b>				
62240510	5	0.346	8.8	73
62240710	7	0.382	9.7	95
62241010	10	0.496	12.6	140
62241210	12	0.512	13.0	161
62241810	18	0.610	15.5	237
62242510	25	0.740	18.8	326
62243410	34	0.839	21.3	436
62244210	42	0.906	23.0	529
62246110	61	1.607	27.1	750
<b>▶ 16 AWG (27-29/30) • 1.50 mm²</b>				
62240215	2	0.291	7.4	44
62240315	3	0.315	8.0	60
62240415	4	0.343	8.7	75
62240515	5	0.386	9.8	94
62240715	7	0.425	10.8	124
62241015	10	0.551	14.0	181
62241215	12	0.567	14.4	208
62241815	18	0.677	17.2	306
62242515	25	0.827	21.0	432
62243415	34	0.937	23.8	577
62244215	42	1.012	25.7	700
62246115	61	1.189	30.2	995
<b>▶ 14 AWG (46/36) • 2.50 mm²</b>				
62240225	2	0.346	8.8	65
62240325	3	0.374	9.5	89
62240425	4	0.417	10.6	114
62240525	5	0.457	11.6	140
62240725	7	0.504	12.8	185
62241025	10	0.661	16.8	274

item no.	no. of conductors incl. ground	nominal outer-Ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 14 AWG (46/36) • 2.50 mm²</b>				
62241225	12	0.681	17.3	315
62241825	18	0.819	20.8	470
62242525	25	0.957	25.3	653
<b>▶ 12 AWG (52/28) • 4.00 mm²</b>				
62240340	3	0.433	11.0	126
62240440	4	0.480	12.2	163
62240540	5	0.535	13.6	204
62240740	7	0.591	15.0	271
<b>▶ 10 AWG (78/28) • 6.00 mm²</b>				
62240360	3	0.500	12.7	177
62240460	4	0.555	14.1	229
62240560	5	0.618	15.7	286
62240760	7	0.681	17.3	382
<b>▶ 8 AWG (77/26) • 10.00 mm²</b>				
62240461	4	0.709	18.0	380
62240561	5	0.988	25.1	661
62240761	7	0.988	25.1	753
<b>▶ 6 AWG (119/26) • 16.00 mm²</b>				
62240462	4	0.992	25.2	690
62240562	5	0.996	25.3	731
62240762	7	1.067	27.1	943
<b>▶ 4 AWG (169/26) • 25.00 mm²</b>				
62240463	4	0.961	24.4	856
62240563	5	1.071	27.2	1074
<b>▶ 2 AWG (280/26) • 35.00 mm²</b>				
62240464	4	1.094	27.8	1176
62240564	5	1.228	31.2	1447

Other dimensions and colors are possible on request.

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)

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