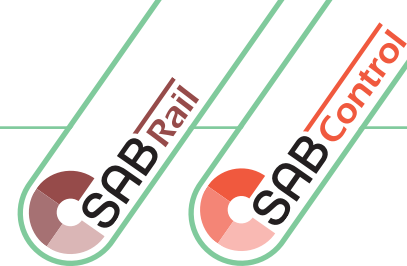


# Halogen-free Cables

## SABIX® A 224 FRNC C1

Control cable with numbered conductors,  
improved fire performance and temperature range



Marking for SABIX® A 224 FRNC C1 62241405:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 224 FRNC C1 14 x 0.5 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>	black (RAL 9005)

### Outstanding features:

- low smoke halogen-free (LSHF)
- 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:</b>	conductor/conductor: 3000 V
<b>Min. bending radius:</b>	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
<b>Radiation resistance:</b>	1 x 10 <sup>7</sup> cJ/kg (100 kGy)
<b>Temperature range:</b>	<b>DIN VDE</b>
<i>static:</i>	-30/+90°C
<i>flexible:</i>	-20/+90°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 + NF C32-070 C1
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60332-1-2 + VDE 0482-332-1-2 no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034
<b>Approvals:</b>	CE, 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	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>► 20 AWG • 0.50 mm<sup>2</sup></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
32240805	8	0.386	9.8	79
62240905	9	0.417	10.6	91
62241005	10	0.425	10.8	94
62241205	12	0.437	11.1	107
62241405	14	0.457	11.6	120
62241605	16	0.492	12.5	139
62241805	18	0.516	13.1	153
62242105	21	0.575	14.6	182
62242505	25	0.626	15.9	212
62243005	30	0.654	16.6	248
62243405	34	0.713	18.1	285
62244005	40	0.772	19.6	334
62244205	42	0.772	19.6	345
62245005	50	0.843	21.4	404
62246105	61	0.902	22.9	482

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>► 19 AWG • 0.75 mm<sup>2</sup></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
62240807	8	0.433	11.0	103
62240907	9	0.472	12.0	120
62241007	10	0.480	12.2	124
62241207	12	0.496	12.6	140
62241407	14	0.520	13.2	159
62241607	16	0.555	14.1	183
62241807	18	0.591	15.0	207
62242107	21	0.654	16.6	244
62242507	25	0.717	18.2	285
62243007	30	0.740	18.8	327
62243407	34	0.803	20.4	374
62244007	40	0.874	22.2	444
62244207	42	0.874	22.2	460
62245007	50	0.961	24.4	540
62246107	61	1.024	26.0	643

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>► 18 AWG • 1.00 mm<sup>2</sup></b>				
62240210	2	0.268	6.8	36
62240310	3	0.283	7.2	46
62240410	4	0.315	8.0	60
62240510	5	0.346	8.8	73
62240810	8	0.449	11.4	117
62240910	9	0.488	12.4	134
62241010	10	0.496	12.6	140
62240710	7	0.382	9.7	95
62248010	8	0.449	11.4	117
62240910	9	0.488	12.4	134
62241010	10	0.496	12.6	140
62241210	12	0.512	13.0	161
62241410	14	0.543	13.8	186
62241610	16	0.575	14.6	209
62241810	18	0.610	15.5	237
62242110	21	0.677	17.2	279
62242510	25	0.740	18.8	326
62243010	30	0.772	19.6	382
62243410	34	0.839	21.3	436
62244010	40	0.906	23.0	510
62244210	42	0.906	23.0	529

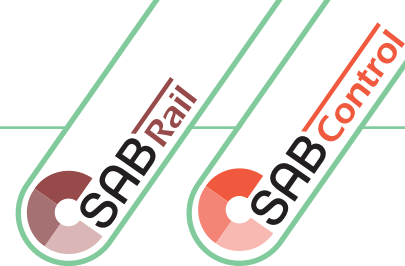
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# Halogen-free Cables

## SABIX® A 224 FRNC C1

Control cable with numbered conductors,  
improved fire performance and temperature range



Marking for SABIX® A 224 FRNC C1 62241405:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 224 FRNC C1 14 x 0.5 mm² CE

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
<b>▶ 16 AWG ▪ 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
62240815	8	0.500	12.7	152
62240915	9	0.539	13.7	173
62241015	10	0.551	14.0	181
62241215	12	0.567	14.4	208
62241415	14	0.602	15.3	241
62241615	16	0.646	16.4	277
62241815	18	0.677	17.2	306
62242115	21	0.760	19.3	368
62242515	25	0.827	21.0	432
62243015	30	0.854	21.7	499
62243415	34	0.937	23.8	577
62244215	40	1.012	25.7	675
62244215	42	1.1012	25.7	699
62245015	50	1.114	28.3	832
62246115	61	1.189	30.2	994

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
<b>▶ 14 AWG ▪ 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
62240825	8	0.598	15.2	228
62240925	9	0.650	16.5	261
62241025	10	0.661	16.8	273
62241225	12	0.681	17.3	315
62241425	14	0.724	18.4	365
62241625	16	0.772	19.6	418
62241825	18	0.819	20.8	470
62242125	21	0.906	23.0	554
62242525	25	0.996	25.3	652
<b>▶ 12 AWG ▪ 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

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
<b>▶ 10 AWG ▪ 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 ▪ 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 ▪ 16.00 mm²</b>				
62240462	4	0.992	25.2	689
62240562	5	0.996	25.3	730
62240762	7	1.067	27.1	943
<b>▶ 4 AWG ▪ 25.00 mm²</b>				
62240463	4	0.961	24.4	855
62240563	5	1.071	27.2	1074
<b>▶ 2 AWG ▪ 35.00 mm²</b>				
62240464	4	1.094	27.8	1176
<b>▶ 1 AWG ▪ 50.00 mm²</b>				
62240465	4	1.362	34.6	1656

Other dimensions and colors are available on request