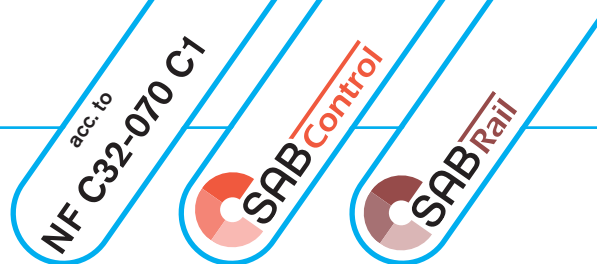


Cables for Railway

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

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 green/yellow ground from 3 conductors
Stranding:	in layers
Jacket material:	SABIX®
Jacket color:	black (RAL 9005)

Outstanding features:

- low smoke halogen-free (LSHF)
- no flame propagation
- flame retardant and self-extinguishing
- NF C32-070 C1

Technical data:

Nominal voltage:	Uo/U 450/750 V
Testing voltage:	conductor/conductor: 3000 V
Min. bending radius:	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
Radiation resistance:	1 x 10 ⁷ cJ/kg (100 kGy)
Temperature range:	
<i>static:</i>	-30/+90°C
<i>flexible:</i>	-20/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	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, acc. to RoHS directive of the European Union. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 + NF C32-070 C1
Corrosiveness of conflagration gases:	in compliance with IEC 60332-1-2 + VDE 0482-332-1-2 no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + VDE 0482-1034
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 20 AWG • 0.50 mm²				
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
62241205	12	0.437	11.1	107
62241805	18	0.516	13.1	153
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
▶ 19 AWG • 0.75 mm²				
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
62241207	12	0.496	12.6	140
62241807	18	0.591	15.0	207
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

item no.	no. of conductors incl. ground	outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 18 AWG • 1.00 mm²				
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
62240710	7	0.382	9.7	95
62241210	12	0.512	13.0	161
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
▶ 16 AWG • 1.50 mm²				
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
62241215	12	0.567	14.4	208
62241815	18	0.677	17.2	306
62242515	25	0.827	21.0	432
▶ 14 AWG • 2.50 mm²				
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
62241225	12	0.681	17.3	315
62241825	18	0.819	20.8	470
62242525	25	0.996	25.3	652

item no.	no. of conductors incl. ground	outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 12 AWG • 4.00 mm²				
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
▶ 10 AWG • 6.00 mm²				
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
▶ 8 AWG • 10.00 mm²				
62240461	4	0.709	18.0	380
62240561	5	0.988	25.1	661
62240761	7	0.988	25.1	753
▶ 6 AWG • 16.00 mm²				
62240462	4	0.992	25.2	689
62240562	5	0.996	25.3	730
62240762	7	1.067	27.1	943
▶ 4 AWG • 25.00 mm²				
62240463	4	0.961	24.4	855
62240563	5	1.071	27.2	1074
▶ 2 AWG • 35.00 mm²				
62240464	4	1.094	27.8	1176
▶ 1 AWG • 50.00 mm²				
62240465	4	1.362	34.6	1656

Other dimensions and colors are available on request