

Halogen-free Cables

SABIX® A 200 FRNC

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



Marking for SABIX® A 200 FRNC 62001215:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 200 FRNC 12 x 1.5 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:	gray (RAL 7000)

Outstanding features:

- low smoke halogen-free (LSHF)
- no flame propagation
- flame retardant and self-extinguishing
- very flexible
- very good stripping

Technical data:

Nominal voltage:	Uo/U 300/500 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.
Temperature range:	<i>static:</i> -40/+85°C <i>flexible:</i> -30/+85°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 Flame retardant and self-extinguishing acc. to IEC 60331-2 + VDE 0482-332-1-2
Corrosivity:	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
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	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²				
62000205	2	0.197	5.0	25
62000305	3	0.209	5.3	29
62000405	4	0.224	5.7	34
62000505	5	0.252	6.4	42
62000705	7	0.272	6.9	52
62001005	10	0.346	8.8	73
62001205	12	0.366	9.3	85
62001805	18	0.429	10.9	121
62002505	25	0.516	13.1	161
62003205	32	0.559	14.2	200
62004205	42	0.626	15.9	255
62006105	61	0.736	18.7	356
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
62000207	2	0.220	5.6	32
62000307	3	0.232	5.9	38
62000407	4	0.260	6.6	47
62000507	5	0.283	7.2	56
62000707	7	0.315	8.0	71
62001007	10	0.402	10.2	101
62001207	12	0.421	10.7	117
62001807	18	0.496	12.6	167
62002507	25	0.602	15.3	228
62003207	32	0.654	16.6	282
62004207	42	0.732	18.6	359
62006107	61	0.858	21.8	504
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
62000210	2	0.228	5.8	36
62000310	3	0.248	6.3	45
62000410	4	0.268	6.8	54

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
62000510	5	0.303	7.7	67
62000710	7	0.327	8.3	83
62001010	10	0.425	10.8	120
62001210	12	0.437	11.1	136
62001810	18	0.516	13.1	196
62002510	25	0.626	15.9	267
62003210	32	0.681	17.3	331
62004210	42	0.772	19.6	420
62006110	61	0.902	22.9	595
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
62000215	2	0.260	6.6	48
62000315	3	0.276	7.0	58
62000415	4	0.307	7.8	73
62000515	5	0.335	8.5	87
62000715	7	0.370	9.4	112
62001015	10	0.480	12.2	161
62001215	12	0.496	12.6	183
62001815	18	0.591	15.0	267
62002515	25	0.717	18.2	369
62003215	32	0.776	19.7	458
62004215	42	0.874	22.2	593
62006115	61	1.024	26.0	833
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
62000225	2	0.315	8.0	73
62000325	3	0.335	8.5	88
62000425	4	0.370	9.4	110
62000525	5	0.406	10.3	132
62000725	7	0.449	11.4	171
62001025	10	0.591	15.0	251
62001225	12	0.610	15.5	287
62001825	18	0.724	18.4	416
62002525	25	0.886	22.5	568

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
62000340	3	0.390	9.9	129
62000440	4	0.433	11.0	161
62000540	5	0.484	12.3	199
62000740	7	0.535	13.6	259
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
62000360	3	0.457	11.6	183
62000460	4	0.508	12.9	230
62000560	5	0.567	14.4	284
62000760	7	0.606	15.4	370
▶ 8 AWG (≈ 77/26) ▪ 10.00 mm²				
62000461	4	0.665	16.9	394
62000561	5	0.740	18.8	480
62000761	7	0.823	20.9	638
▶ 6 AWG (≈ 122/26) ▪ 16.00 mm²				
62000462	4	0.819	20.8	601
62000562	5	0.913	23.2	751
62000762	7	1.012	25.7	974
▶ 4 AWG (≈ 190/26) ▪ 25.00 mm²				
62000463	4	0.980	24.9	933
62000563	5	1.106	28.1	1176
▶ 2 AWG (≈ 272/26) ▪ 35.00 mm²				
62000464	4	1.134	28.8	1295
62000564	5	1.280	32.5	1621

Other dimensions and colors are available on request