

# Halogen-free Cables

## SABIX® A 130 HT

High temperature resistant control cable with numbered or colored conductors



Marking for SABIX® A 130 HT 71300415:  
SAB BRÖCKSKES · D-VIERSEN · SABIX® A 130 HT CE

### Construction:

<b>Conductor:</b>	silver-plated copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX®
<b>Color code:</b>	<b>up to 5 conductors:</b> colored acc. to HD 308 (VDE 0293-308) see page O/26, <b>more than 6 conductors:</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>	gray (RAL 7015)

### Outstanding features:



- halogen-free
- high temperature resistant
- flexible

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V
<b>Testing voltage:</b>	conductor/conductor: 2000 V
<b>Min. bending radius:</b>	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
<b>Temperature range:</b>	
<i>static:</i>	-40/+220°C
<i>flexible:</i>	-25/+220°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosivity:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Approvals:</b>	CE, EAC, 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	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>► 20 AWG (≈ 16/32) • 0.50 mm<sup>2</sup></b>				
71300205	2	0.197	5.0	20
71300305	3	0.209	5.3	24
71300405	4	0.224	5.7	30
71300505	5	0.248	6.3	36
71300705	7	0.268	6.8	45
71301005	10	0.346	8.8	64
71301205	12	0.358	9.1	73
71301805	18	0.425	10.8	108
<b>► 19 AWG (≈ 23/32) • 0.75 mm<sup>2</sup></b>				
71300207	2	0.220	5.6	26
71300307	3	0.232	5.9	32
71300407	4	0.252	6.4	39
71300507	5	0.280	7.1	49
71300707	7	0.311	7.9	62
71301007	10	0.402	10.2	89
71301207	12	0.413	10.5	102
71301807	18	0.492	12.5	151
<b>► 18 AWG (≈ 30/32) • 1.00 mm<sup>2</sup></b>				
71300210	2	0.228	5.8	30
71300310	3	0.240	6.1	37
71300410	4	0.264	6.7	46
71300510	5	0.287	7.3	57
71300710	7	0.323	8.2	74
71301010	10	0.417	10.6	109
71301210	12	0.429	10.9	121
71301810	18	0.512	13.0	179
71302510	25	0.618	15.7	241

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>► 16 AWG (≈ 27-29/30) • 1.50 mm<sup>2</sup></b>				
71300215	2	0.264	6.7	41
71300315	3	0.280	7.1	51
71300415	4	0.311	7.9	65
71300515	5	0.346	8.8	83
71300715	7	0.378	9.6	104
71301015	10	0.496	12.6	150
71301215	12	0.512	13.0	173
71301815	18	0.614	15.6	259
71302515	25	0.740	18.8	351
<b>► 14 AWG (≈ 46/30) • 2.50 mm<sup>2</sup></b>				
71300225	2	0.323	8.2	64
71300325	3	0.343	8.7	81
71300425	4	0.374	9.5	100
71300525	5	0.425	10.8	129
71300725	7	0.465	11.8	165
71301025	10	0.606	15.4	235
71301225	12	0.626	15.9	273
71301825	18	0.740	18.8	402
<b>► 12 AWG (≈ 52/28) • 4.00 mm<sup>2</sup></b>				
71300340	3	0.409	10.4	122
71300440	4	0.445	11.3	151
71300540	5	0.500	12.7	191
71300740	7	0.543	13.8	245

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>► 10 AWG (≈ 78/28) • 6.00 mm<sup>2</sup></b>				
71300360	3	0.457	11.6	167
71300460	4	0.500	12.7	210
71300560	5	0.551	14.0	261
71300760	7	0.618	15.7	346
<b>► 8 AWG (≈ 77/26) • 10.00 mm<sup>2</sup></b>				
71300461	4	0.740	18.8	400
71300561	5	0.819	20.8	499
71300761	7	0.913	23.2	669
<b>► 6 AWG (≈ 122/26) • 16.00 mm<sup>2</sup></b>				
71300462	4	0.850	21.6	607
71300562	5	0.957	24.3	770
71300762	7	1.047	26.6	998
<b>► 4 AWG (≈ 190/26) • 25.00 mm<sup>2</sup></b>				
71300263	2	0.882	22.4	560
71300463	4	1.047	26.6	930
71300563	5	1.161	29.5	1160
<b>► 2 AWG (≈ 272/26) • 35.00 mm<sup>2</sup></b>				
71300364	3	1.055	26.8	965
71300464	4	1.161	29.5	1222

Other dimensions and colors are available on request