

HALOGEN-FREE CABLES

temperature resistant up to **+ 220°C**



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® A130 HT CE

SABIX® A 130 HT is a halogen free, high temperature resistant, 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 an extremely high risk of fire.

Construction:

Conductor:	silver-plated copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	SABIX® 722
Color code:	colored acc. to HD 308 (VDE 0293 part 308); from 3 conductors a green-yellow earth wire; from 6 conductors black insulation with consecutive numbers acc. to EN 50334 and a green-yellow earth wire
Stranding:	in layers
Jacket material:	SABIX® 722
Jacket color:	gray

Outstanding features:

- halogen-free
- high temperature resistant
- flexible

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2
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/+220 °C
<i>flexing:</i>	-25/+220 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
Corrosivity:	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 16/32) • 0.50 mm²				
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
▶ 19 AWG (≈ 23/32) • 0.75 mm²				
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
▶ 18 AWG (≈ 30/32) • 1.00 mm²				
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	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) • 1.50 mm²				
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
▶ 14 AWG (≈ 46/30) • 2.50 mm²				
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
▶ 12 AWG (≈ 52/28) • 4.00 mm²				
71300340	3	0.409	10.4	122
71300440	4	0.445	11.3	151
71300540	5	0.500	12.7	192
71300740	7	0.543	13.8	245

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 10 AWG (≈ 78/28) • 6.00 mm²				
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
▶ 8 AWG (≈ 77/26) • 10.00 mm²				
71300461	4	0.740	18.8	400
71300561	5	0.819	20.8	499
71300761	7	0.913	23.2	669
▶ 6 AWG (≈ 122/26) • 16.00 mm²				
71300462	4	0.850	21.6	607
71300562	5	0.957	24.3	770
71300762	7	1.047	26.6	999
▶ 4 AWG (≈ 190/26) • 25.00 mm²				
71300263	2	0.882	22.4	560
71300463	4	1.047	26.6	930
71300563	5	1.161	29.5	1160
▶ 2 AWG (≈ 272/26) • 35.00 mm²				
71300364	3	1.055	26.8	965
71300464	4	1.161	29.5	1222

Other dimensions and colors are possible on request.

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