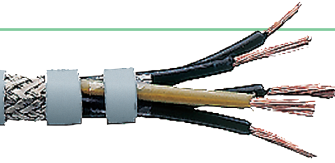


HALOGEN-FREE CABLES



SABIX® A 238 FRNC Control cable with numbered conductors, overall copper screen, improved fire performance and extended temperature range

D-VIERSEN · SABIX® A 238 FRNC 5 x 1,5 mm² CE



Marking for SABIX® A 238 FRNC 62380515:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 238 FRNC 5 x 1,5 mm² CE

SABIX® A 238 FRNC is a halogen free, tinned copper braid, multi-conductor, flexible control cable with a smaller OD for tighter installations designed for use in all electrical equipment in dry, damp and wet conditions. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. Recommended applications include machine tools, assembly lines, controls systems, data processing equipment, connections between control panels and machines, CNC machining centers, grinding machines and bottling equipment. 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 a extremely high risk of fire.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	SABIX® 336
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding
Jacket material:	SABIX® 230
Jacket color:	gray

Outstanding features:

- ▶ halogen-free
- ▶ good EMC characteristics*
- ▶ no flame propagation
- ▶ flame retardant and self-extinguishing
- ▶ very good stripping

* Copper braiding should be connected circularly to optimize the EMC characteristics

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2 conductor/screen 1000 V
Min. bending radius <i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
Temperature range <i>static:</i>	-40/+85 °C
<i>flexing:</i>	-30/+85 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	no flame propagation acc. to IEC 60332 + EN 50266 cat. C resp. D. 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
Smoke density:	acc. to IEC 61034 + EN 61034
Flexibility:	good
Weather resistance:	good
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal outer- ϕ inch	mm	cable weight \approx lbs/mft
▶ 20 AWG (15/32) • 0.50 mm²				
62380205	2	0.209	5.3	26
62380305	3	0.220	5.6	30
62380405	4	0.244	6.2	41
62380505	5	0.264	6.7	47
62380705	7	0.283	7.2	54
62381205	12	0.378	9.6	101
62381805	18	0.449	11.4	138
62382505	25	0.543	13.8	183
▶ 19 AWG (23/32) • 0.75 mm²				
62380207	2	0.240	6.1	34
62380307	3	0.252	6.4	41
62380407	4	0.272	6.9	49
62380507	5	0.303	7.7	65
62380707	7	0.327	8.3	81
62381207	12	0.441	11.2	130
62381807	18	0.524	13.3	188
62382507	25	0.638	16.2	265

item no.	no. of conductors incl. ground	nominal outer- ϕ inch	mm	cable weight \approx lbs/mft
▶ 18 AWG (30/32) • 1.00 mm²				
62380210	2	0.248	6.3	38
62380310	3	0.260	6.6	46
62380410	4	0.280	7.1	63
62380510	5	0.315	8.0	74
62380710	7	0.339	8.6	93
62381210	12	0.465	11.8	152
62381810	18	0.543	13.8	212
62382510	25	0.661	16.8	305
▶ 16 AWG (27-29/30) • 1.50 mm²				
62380215	2	0.272	6.9	42
62380315	3	0.283	7.2	60
62380415	4	0.319	8.1	74
62380515	5	0.354	9.0	91
62380715	7	0.382	9.7	120
62381215	12	0.547	13.9	202
62381815	18	0.618	15.7	305
62382515	25	0.752	19.1	412

item no.	no. of conductors incl. ground	nominal outer- ϕ inch	mm	cable weight \approx lbs/mft
▶ 14 AWG (46/36) • 2.50 mm²				
62380225	2	0.327	8.3	67
62380325	3	0.354	9.0	86
62380425	4	0.382	9.7	110
62380525	5	0.433	11.0	144
62380725	7	0.476	12.1	185
62381225	12	0.646	16.4	313
62381825	18	0.760	19.3	448
62382525	25	0.921	23.4	626
▶ 12 AWG (52/28) • 4.00 mm²				
62380440	4	0.453	11.5	168
62380540	5	0.504	12.8	208
▶ 10 AWG (78/28) • 6.00 mm²				
62380460	4	0.535	13.6	237
62380560	5	0.594	15.1	282
▶ 8 AWG (77/26) • 10.00 mm²				
62380461	4	0.701	17.8	414
▶ 6 AWG (119/26) • 16.00 mm²				
62380462	4	0.862	21.9	616

Other dimensions and colors are possible on request.

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