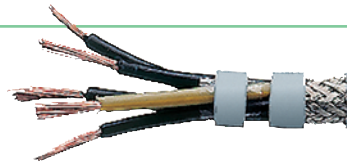


HALOGEN-FREE CABLES

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



D-VIERSEN · SABIX® A238 FRNC 5 x 1,5 mm² CE

Marking for SABIX® A 238 FRNC 62380515:
SAB BRÖCKSKES · D-VIERSEN · SABIX® A238 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:	Uo/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 60332 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 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				
62380205	2	0.217	5.5	28
62380305	3	0.228	5.8	34
62380405	4	0.252	6.4	42
62380505	5	0.256	6.5	50
62380705	7	0.291	7.4	58
62381205	12	0.386	9.8	96
62381805	18	0.457	11.6	144
62382505	25	0.583	14.8	192
▶ 19 AWG (≈ 23/32) • 0.75 mm²				
62380207	2	0.248	6.3	37
62380307	3	0.260	6.6	44
62380407	4	0.280	7.1	52
62380507	5	0.311	7.9	65
62380707	7	0.335	8.5	79
62381207	12	0.449	11.4	136
62381807	18	0.531	13.5	195
62382507	25	0.646	16.4	275

item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft
▶ 18 AWG (≈ 30/32) • 1.00 mm²				
62380210	2	0.256	6.5	41
62380310	3	0.268	6.8	49
62380410	4	0.287	7.3	59
62380510	5	0.323	8.2	75
62380710	7	0.346	8.8	91
62381210	12	0.472	12.0	161
62381810	18	0.551	14.0	223
62382510	25	0.669	17.0	314
▶ 16 AWG (≈ 27-29/30) • 1.50 mm²				
62380215	2	0.280	7.1	50
62380315	3	0.303	7.7	65
62380415	4	0.327	8.3	78
62380515	5	0.362	9.2	96
62380715	7	0.390	9.9	119
62381215	12	0.531	13.5	210
62381815	18	0.626	15.9	306
62382515	25	0.760	19.3	421

item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft
▶ 14 AWG (≈ 46/30) • 2.50 mm²				
62380225	2	0.335	8.5	71
62380325	3	0.362	9.2	93
62380425	4	0.390	9.9	114
62380525	5	0.441	11.2	149
62380725	7	0.484	12.3	192
62381225	12	0.654	16.6	328
62381825	18	0.768	19.5	370
62382525	25	0.929	23.6	637
▶ 12 AWG (≈ 52/28) • 4.00 mm²				
62380440	4	0.461	11.7	173
62380540	5	0.512	13.0	212
▶ 10 AWG (≈ 78/28) • 6.00 mm²				
62380460	4	0.543	13.8	243
62380560	5	0.610	15.5	313
▶ 8 AWG (≈ 77/26) • 10.00 mm²				
62380461	4	0.709	18.0	423
▶ 6 AWG (≈ 122/26) • 16.00 mm²				
62380462	4	0.854	21.7	618

Other dimensions and colors are possible on request.