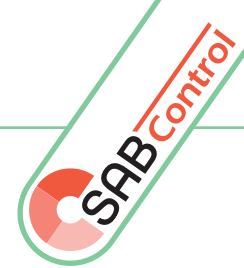


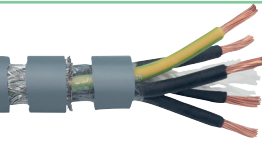
Halogen-free Cables

SABIX® A 238 FRNC

Control cable with numbered conductors, overall tinned copper shield, improved fire performance, and extended temperature range



SKES · 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

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
Wrapping:	PETP foil
Shielding:	tinned copper braiding
Jacket material:	SABIX®
Jacket color:	gray (RAL 7000)

Outstanding features:

- low smoke halogen-free (LSHF)
- 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:	conductor/conductor: 3000 V conductor/shielding: 2000 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>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 60332-1-2 + 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				
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	191
▶ 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 ±5%	mm ±5%	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 ±5%	mm ±5%	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	191
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	617

Other dimensions and colors are available on request

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