

Halogen-free Cables

SABIX® A 226 C FRNC C1

control cable with numbered cores, improved fire performance, extended temperature range and overall copper screen



marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 226 C FRNC C1 12 x 1,5 mm² CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
Colour code:	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 cores
Stranding:	in layers
Wrapping:	foil
Screen:	tinned copper braiding
Sheath material:	SABIX®
Sheath colour:	black (RAL 9005)

Outstanding features:

- » good EMC characteristics
- » halogen-free
- » no flame propagation
- » flame retardant and self-extinguishing
- » NF C 32-070 C1

Technical Data:

Nominal voltage:	U _o /U 450/750 V
Testing voltage:	core/core 2500 V core/screen 2500 V
Min. bending radius	
fixed laying:	5 x d
flexible application:	10 x d
Radiation resistance:	1 x 10 ⁷ cJ/kg (100 kGy)
Temperature range	
fixed laying:	-30/+90 °C
flexible application:	-20/+90 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	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, see chapter N „Technical data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 + NF C 32-070 C1
Corrosiveness of conflagration gases:	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
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
62260205	2 x 0,50	0,21	6,5	27,2	56
62260307	3 x 0,75	0,21	7,7	42,9	86
62260407	4 x 0,75	0,21	8,3	52,5	102
62260507	5 x 0,75	0,21	9,2	62,2	126
62260707	7 x 0,75	0,21	9,9	79,4	154
62261207	12 x 0,75	0,21	13,5	146,1	272
62261807	18 x 0,75	0,21	15,9	227,2	396
62260310	3 x 1,00	0,21	7,9	50,2	93
62260410	4 x 1,00	0,21	8,5	62,2	112
62260510	5 x 1,00	0,21	9,5	74,3	139
62261610	16 x 1,00	0,21	15,7	251,0	406
62261810	18 x 1,00	0,21	16,6	270,9	450
62260315	3 x 1,50	0,26	8,5	67,0	113
62260415	4 x 1,50	0,26	9,4	83,9	142
62260515	5 x 1,50	0,26	10,3	101,2	170
62260715	7 x 1,50	0,26	11,5	154,7	234
62261215	12 x 1,50	0,26	15,5	270,0	403
62261815	18 x 1,50	0,26	18,3	370,1	567
62260325	3 x 2,50	0,26	10,0	101,1	160
62260425	4 x 2,50	0,26	11,3	143,8	236
62260525	5 x 2,50	0,26	12,5	174,4	265
62260340	3 x 4,00	0,31	11,7	169,2	236
62260440	4 x 4,00	0,31	12,9	213,1	297
62260540	5 x 4,00	0,31	14,5	277,7	380
62260460	4 x 6,00	0,31	15,2	327,3	442
62260560	5 x 6,00	0,31	16,8	386,4	522
62260760	7 x 6,00	0,31	18,4	514,3	677
62260461	4 x 10,0	0,41	18,9	495,7	682
62260561	5 x 10,0	0,41	21,2	605,9	847
62260362	3 x 16,0	0,41	20,7	585,9	787
62260562	5 x 16,0	0,41	25,6	936,8	1246
62260563	5 x 25,0	0,41	31,3	1594,7	1938
62260564	5 x 35,0	0,41	34,9	1901,3	2449

Other dimensions and colours are possible on request.