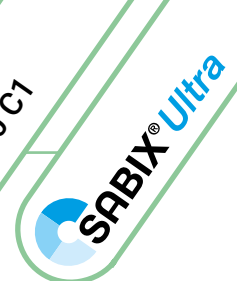


Halogen-free Cables

SABIX® S 710 FRNC C1

continuously flexible control cable with improved fire performance

acc. to
NF C 32-070 C1



marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® S 710 FRNC C1 4 x 1,5 mm² CE

Application: For flexible applications in areas with highest fire protection requirements e.g. power plant technology, railway applications.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
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:	non-woven tape
Sheath material:	SABIX®
Sheath colour:	black (RAL 9005)

Outstanding features:

- » halogen-free
- » continuously flexible
- » no flame propagation
- » flame retardant and self-extinguishing
- » oil and fuel resistant
- » good acid and alkalines resistance
- » NF C 32-070 C1
- » PFAS free

Technical Data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Testing voltage:	core/core 4000 V
Min. bending radius	
<i>fixed laying:</i>	4 x d
<i>flexible application:</i>	6 x d
<i>continuously flexible:</i>	15 x d
Radiation resistance:	1 x 10 ⁷ cJ/kg (100 kGy)
Temperature range	
<i>fixed laying:</i>	-40/+90 °C
<i>flexible application:</i>	-30/+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
Toxicity:	acc. to EN 50305
Oil and fuel resistance:	acc. to EN 50264-1 + VDE 0260-264-1
UV, ozone and weather resistance:	good
Mycological resistance:	good
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
67100205	2 x 0,50	0,16	6,4	9,6	62
67100505	5 x 0,50	0,16	8,2	24,0	97
67100507	5 x 0,75	0,16	9,0	36,0	121
67100707	7 x 0,75	0,16	10,7	50,4	170
67100310	3 x 1,00	0,16	7,9	28,8	92
67100510	5 x 1,00	0,16	9,3	48,0	137
67100710	7 x 1,00	0,16	11,1	67,2	193
67101210	12 x 1,00	0,16	13,6	115,2	284
67101810	18 x 1,00	0,16	16,1	172,8	406
67100215	2 x 1,50	0,16	8,6	28,8	112
67100315	3 x 1,50	0,16	9,2	43,2	127
67100415	4 x 1,50	0,16	9,7	57,6	151
67100515	5 x 1,50	0,16	10,9	72,0	189
67100715	7 x 1,50	0,16	13,1	100,8	276

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
67101215	12 x 1,50	0,16	15,8	172,8	390
67101815	18 x 1,50	0,16	18,7	259,2	562
67102415	24 x 1,50	0,16	21,8	345,6	721
67102515	25 x 1,50	0,16	22,1	360,0	735
67100325	3 x 2,50	0,16	10,8	72,0	183
67100425	4 x 2,50	0,16	12,1	69,0	240
67100525	5 x 2,50	0,16	13,5	120,0	294
67100725	7 x 2,50	0,16	15,8	168,0	408
67101225	12 x 2,50	0,16	19,2	288,0	584
67100440	4 x 4,00	0,16	13,5	153,6	321
67100460	4 x 6,00	0,21	15,4	230,4	427
67100461	4 x 10,0	0,21	19,2	384,0	769
67100462	4 x 16,0	0,21	22,1	614,4	1005
67100465	4 x 50,0	0,31	35,9	1920,0	2747

Other dimensions and colours are possible on request.