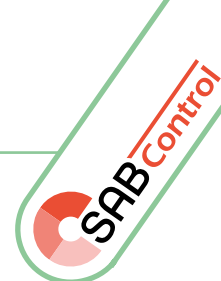


# Halogen-free Cables

## SABIX® A 166 FRNC

wiring cable with improved fire performance and extended temperature range 0.6/1 kV



BRÖCKSKES · D-VIERSEN · SABIX® A 166 FRNC 0,6/1 kV 1,5 mm² CE

marking example:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 166 FRNC 0,6/1 kV 1,5 mm² CE

### Construction:

**Conductor:** bare copper strands  
acc. to IEC 60228, VDE 0295, class 5

**Insulation:** SABIX®

**Colour code:** see table\*

### Outstanding features:

- » halogen-free
- » no flame propagation
- » flame retardant and self-extinguishing
- » very good stripping
- » flexible

### Technical Data:

**Nominal voltage:** Uo/U 0,6/1 kV

**Testing voltage:** 3000 V

**Min. bending radius:** 7,5 x d

**For one single bend:** 5 x d

**Temperature range**

*fixed laying:* -40/+90 °C

*flexible application:* -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

**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

**Flexibility:**

good

**Absence of**

**harmful substances:** acc. to RoHS directive of the European Union,  
see chapter N „Technical data“

item no.	nominal cross-section mm²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
6166 .. 82*	1,50	0,26	3,2	14,4	23
6166 .. 84*	2,50	0,26	3,9	24,0	35
6166 .. 86*	4,00	0,31	4,5	38,4	51
6166 .. 87*	6,00	0,31	5,0	57,6	71
6166 .. 88*	10,00	0,41	7,3	96,0	131
6166 .. 89*	16,00	0,41	8,3	153,6	199
6166 .. 90*	25,00	0,41	10,2	240,0	305
6166 .. 91*	35,00	0,41	11,4	336,0	404
6166 .. 92*	50,00	0,41	14,1	480,0	576
6166 .. 93*	70,00	0,41	15,1	672,0	765
6166 .. 94*	95,00	0,51	18,5	912,0	1052
6166 .. 95*	120,00	0,51	20,0	1152,0	1261
6166 .. 96*	150,00	0,51	22,1	1440,0	1567
6166 .. 97*	185,00	0,51	23,5	1776,0	1892
6166 .. 98*	240,00	0,51	27,2	2304,0	2538

Other dimensions and colours are possible on request.

\* Colour code for single conductors, position 5 and 6 of the item no.:

- |             |                   |
|-------------|-------------------|
| 01 = black  | 07 = violet       |
| 02 = blue   | 08 = white        |
| 03 = brown  | 09 = orange       |
| 04 = grey   | 11 = red          |
| 05 = yellow | 16 = gentian blue |
| 06 = green  | 27 = green-yellow |

On request  
with tinned copper strands