

# Halogen-free Cables

## SABIX® BL 409 C FRNC

flexible power cable with overall copper screen 0.6/1 kV

0,6/1 kV



marking example:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 409 C FRNC 4,0 mm² - IEC 60332-3-22 - 0,6/1kV — DNV CE and current meter marking

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	special SABIX®
<b>Colour code:</b>	black (RAL 9005)
<b>Screen:</b>	tinned copper braiding
<b>Sheath material:</b>	special SABIX® SHF 1 compound acc. to IEC 60092-360
<b>Sheath colour:</b>	black (RAL 9005)

### Outstanding features:

- » halogen-free
- » asbestos-free
- » good EMC characteristics
- » no flame propagation
- » flame retardant and self-extinguishing
- » flexible
- » for applications acc. to Hong Kong Convention  
ingredients tested acc. to the requirements  
of the Hong Kong Convention (2009) of the IMO
- » approvals: DNV

### Technical Data:

<b>Nominal voltage:</b>	Uo/U 0,6/1 kV
<b>Testing voltage:</b>	core/core 4000 V
<b>Min. bending radius</b>	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
<b>Temperature range</b>	
<i>fixed laying:</i>	-40/+90 °C
<i>flexible application:</i>	-30/+90 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Fire performance:</b>	no flame propagation acc. to IEC 60332-3-22 + VDE 0482-332-3-22 cat. A. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034
<b>Flexibility:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	nominal cross section mm <sup>2</sup>	outer- $\phi$ $\pm$ 10% mm	copper figure kg/km	cable weight $\approx$ kg/km
64090180	1,00	5,8	23,5	55
64090182	1,50	6,1	28,4	63
64090184	2,50	6,5	39,9	76
64090186	4,00	7,5	57,9	104
64090187	6,00	8,0	77,4	126
64090188	10,00	9,2	122,1	183
64090189	16,00	10,6	182,8	252
64090190	25,00	12,6	294,6	385
64090191	35,00	14,6	421,8	536
64090192	50,00	16,3	578,1	716
64090193	70,00	18,8	784,0	935
64090194	95,00	21,5	1050,8	1241
64090195	120,00	23,5	1318,2	1512
64090196	150,00	25,6	1610,8	1835
64090197	185,00	27,9	1352,1	2200
64090198	240,00	31,9	2508,6	2899

Other dimensions and colours are possible on request.

### Possible on request:

- » bare copper strands
- » alternative colour code  
and sheath colour