

# Halogen-free Cables

## SABIX® BL 408 FRNC

SABIX® BL-Line Power - flexible power cable 0.6/1 kV



Marking for SABIX® BL 408 FRNC 64080182:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 408 FRNC 1,5 mm² - IEC 60332-3-22 - 0,6/1kV DNV CE and current meter marking

A  
56

### 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>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
- 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>	U <sub>0</sub> /U 0,6/1 kV
<b>Testing voltage:</b>	core/core 4000 V
<b>Min. bending radius</b>	
<i>fixed laying:</i>	4 x d
<i>flexible application:</i>	6 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“

### Possible on request:



- bare copper strands
- alternative colour code  
and sheath colour

item no.	nominal cross section mm <sup>2</sup>	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
64080180	1,00	5,4	9,6	43
64080182	1,50	5,7	14,4	50
64080184	2,50	6,1	24,0	62
64080186	4,00	7,1	38,4	88
64080187	6,00	7,6	57,6	110
64080188	10,0	8,8	96,0	168
64080189	16,0	10,2	153,6	236
64080190	25,0	12,0	240,0	345
64080191	35,0	13,7	336,0	469
64080192	50,0	15,4	480,0	641
64080193	70,0	17,9	672,0	850
64080194	95,0	20,6	912,0	1137
64080195	120,0	22,7	1152,0	1394
64080196	150,0	24,7	1440,0	1708
64080197	185,0	27,0	1776,0	2067
64080198	240,0	31,0	2304,0	2746

Other dimensions and colours are possible on request.