

# Halogen-free Cables

## SABIX® BL 400 FRNC

flexible control cable 300/500 V



marking example:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 400 FRNC 12 x 1,5 mm² - IEC 60332-3-22 - 300/500V 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 conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Sheath material:</b>	special SABIX® SHF 1 compound acc. to IEC 60092-360
<b>Sheath colour:</b>	pigeon blue (RAL 5014)

### 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
- » PFAS free

### Technical Data:

<b>Nominal voltage:</b>	Uo/U 300/500 V
<b>Testing voltage:</b>	core/core 2000 V
<b>Min. bending radius</b>	
fixed laying:	4 x d
flexible application:	6 x d
<b>Temperature range</b>	
fixed laying:	-40/+90 °C
flexible application:	-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.	no. of cores x cross section n x mm²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
64000205	2 x 0,50	5,3	9,6	42
64000305	3 x 0,50	5,6	14,4	49
64000405	4 x 0,50	6,0	19,2	59
64000505	5 x 0,50	6,6	24,0	72
64000705	7 x 0,50	7,3	33,6	90
64001205	12 x 0,50	9,6	57,6	147
64001805	18 x 0,50	11,4	86,4	212
64000207	2 x 0,75	5,8	14,4	51
64000307	3 x 0,75	6,1	21,6	60
64000407	4 x 0,75	6,7	28,8	74
64000507	5 x 0,75	7,4	36,0	91
64000707	7 x 0,75	8,1	50,4	113
64001207	12 x 0,75	10,9	86,4	187
64001807	18 x 0,75	12,8	129,6	269
64000210	2 x 1,00	6,0	19,2	57
64000310	3 x 1,00	6,3	28,8	68
64000410	4 x 1,00	7,0	38,4	84
64000510	5 x 1,00	7,8	48,0	105

item no.	no. of cores x cross section n x mm²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
64000710	7 x 1,00	8,4	67,2	131
64001210	12 x 1,00	11,3	115,2	216
64001810	18 x 1,00	13,5	172,8	318
64000215	2 x 1,50	6,7	28,8	73
64000315	3 x 1,50	7,0	43,2	89
64000415	4 x 1,50	7,9	57,6	112
64000515	5 x 1,50	8,6	72,0	136
64000715	7 x 1,50	9,5	100,8	174
64001215	12 x 1,50	12,7	172,8	287
64001815	18 x 1,50	15,3	259,2	426
64000225	2 x 2,50	8,1	48,0	111
64000325	3 x 2,50	8,6	72,0	137
64000425	4 x 2,50	9,5	96,0	171
64000525	5 x 2,50	10,6	120,0	212
64000725	7 x 2,50	11,7	168,0	272
64001225	12 x 2,50	15,7	288,0	452
64001825	18 x 2,50	18,9	432,0	670

Other dimensions and colours are possible on request.

### Possible on request:

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