

# Halogen-free Cables

## SABIX® BL 400 FRNC

SABIX® BL - Flexible control cable 300/500 V

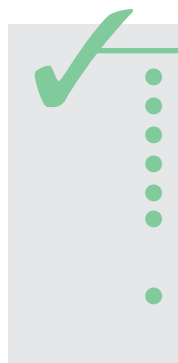


Marking for SABIX® BL 400 FRNC 64001215:

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>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	special SABIX® SHF 1 compound acc. to IEC 60092-360
<b>Jacket color:</b>	pigeon blue (RAL 5014)



### Outstanding features:

- low smoke halogen-free (LSHF)
- 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>	Uo/U 300/500 V
<b>Testing voltage:</b>	conductor/conductor: 2000 V
<b>Min. bending radius:</b>	<i>fixed installation:</i> 4 x O.D. <i>free movement</i> 6 x O.D.
<b>Temperature range:</b>	<b>DIN VDE</b> <i>static:</i> -40/+90°C <i>flexible:</i> -30/+90°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</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>Corrosivity:</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>Approvals:</b>	DNV, CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>► 20 AWG (≈ 16/32) • 0.50 mm²</b>				
64000205	2	0.209	5.3	28
64000305	3	0.220	5.6	33
64000405	4	0.236	6.0	40
64000505	5	0.260	6.6	48
64000705	7	0.287	7.3	60
64001205	12	0.378	9.6	99
64001805	18	0.449	11.4	142
<b>► 19 AWG (≈ 23/32) • 0.75 mm²</b>				
64000207	2	0.228	5.8	34
64000307	3	0.240	6.1	40
64000407	4	0.264	6.7	50
64000507	5	0.291	7.4	61
64000707	7	0.319	8.1	76
64001207	12	0.429	10.9	126
64001807	18	0.504	12.8	181

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>► 18 AWG (≈ 30/32) • 1.00 mm²</b>				
64000210	2	0.236	6.0	38
64000310	3	0.248	6.3	46
64000410	4	0.276	7.0	56
64000510	5	0.307	7.8	71
64000710	7	0.331	8.4	88
64001210	12	0.445	11.3	145
64001810	18	0.531	13.5	214
<b>► 16 AWG (≈ 27-29/30) • 1.50 mm²</b>				
64000215	2	0.264	6.7	49
64000315	3	0.276	7.0	60
64000415	4	0.311	7.9	75
64000515	5	0.339	8.6	91
64000715	7	0.374	9.5	117
64001215	12	0.500	12.7	193
64001815	18	0.602	15.3	286

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>► 14 AWG (≈ 46/30) • 2.50 mm²</b>				
64000225	2	0.319	8.1	75
64000325	3	0.339	8.6	92
64000425	4	0.374	9.5	115
64000525	5	0.417	10.6	142
64000725	7	0.461	11.7	183
64001225	12	0.618	15.7	304
64001825	18	0.744	18.9	450

Other dimensions and colors are available on request



### Possible on request:

- bare copper strands
- alternative color code and jacket color

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