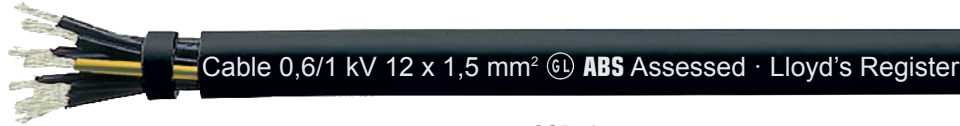


# HALOGEN-FREE CABLES

## SABIX® BL 410 FRNC Flexible power cable 0,6/1 kV



BL = BlueLine



Marking for SABIX® BL 410 FRNC 64101215:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 410 FRNC · Power Cable 0,6/1 kV 12 x 1,5 mm² GL ABS Assessed · Lloyd's Register CE

The halogen-free SABIX® BlueLine cables have been approved by GL, LR as well as ABS. Their SABIX® characteristics fulfill the highest safety-related aspects in shipbuilding with regards to both fire performance as well as being halogen-free. The type SABIX® BlueLine Power with a nominal voltage of 0,6/1 kV complement the new product series with power supply cables for electrical components.

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX® FRNC
<b>Color code</b>	black conductors with consecutive numbers acc. to EN 50334 green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Sheath:</b>	SABIX® FRNC
<b>Sheath color:</b>	black

### Technical data:

<b>Nominal voltage:</b>	Uo/U 0,6/1 kV
<b>Testing voltage U:</b>	4000 V acc. to DIN VDE 0281 part 2 + HD 21.2
<b>Min. bending radius</b>	
fixed laying:	5 x O. D.
flexible application:	10 x O. D.
<b>Temperature range</b>	
fixed laying:	-40/+90 °C
flexible application:	-30/+90 °C
<b>Zero halogen:</b>	acc. to EN 50267-2-1 + IEC 60754-1
<b>Burning characteristics:</b>	no flame propagation acc. to IEC 60332-3-22 + DIN EN 60332-3-22 cat. A. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + DIN EN 60332-1-2
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60754-2 + DIN EN 50267-2-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + EN 61034
<b>Flexibility:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

### Outstanding features:

- halogen-free
- no flame propagation
- flame retardant and self-extinguishing
- flexible
- approvals:  
Germanischer Lloyds  
Lloyd's Register  
American Bureau of Shipping

### Possible on request:

- bare copper strands
- alternative color code and sheath color  
for an improved uv resistance  
we recommend a black outer sheath

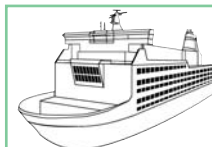


item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm²</b>				
64100215	2	0.350	8.9	81
64100315	3	0.370	9.4	92
64100415	4	0.417	10.6	117
64100515	5	0.457	11.6	141
64100715	7	0.496	12.6	173
64101015	10	0.642	16.3	246
64101215	12	0.661	16.8	279
64101415	14	0.693	17.6	314
64101815	18	0.783	19.9	409
<b>▶ 14 AWG (≈ 46/30) • 2.50 mm²</b>				
64100225	2	0.382	9.7	101
64100325	3	0.421	10.7	126
64100425	4	0.457	11.6	151
64100525	5	0.500	12.7	183
64100725	7	0.543	13.8	226
64101025	10	0.705	17.9	323
64101225	12	0.724	18.4	369
64101425	14	0.760	19.3	418
64101825	18	0.862	21.9	543

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 12 AWG (≈ 52/28) • 4.00 mm²</b>				
64100240	2	0.476	12.1	159
64100340	3	0.504	12.8	185
64100440	4	0.551	14.0	224
64100540	5	0.606	15.4	276
64100740	7	0.677	17.2	355
<b>▶ 10 AWG (≈ 78/28) • 6.00 mm²</b>				
64100260	2	0.516	13.1	197
64100360	3	0.547	13.9	235
64100460	4	0.598	15.2	287
64100560	5	0.677	17.2	365
64100760	7	0.736	18.7	459
<b>▶ 8 AWG (≈ 77/26) • 10.00 mm²</b>				
64100361	3	0.669	17.0	366
64100461	4	0.732	18.6	450
64100561	5	0.807	20.5	554

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 6 AWG (≈ 122/26) • 16.00 mm²</b>				
64100362	3	0.787	20.0	523
64100462	4	0.878	22.3	662
64100562	5	0.972	24.7	818
<b>▶ 4 AWG (≈ 190/26) • 25.00 mm²</b>				
64100363	3	0.957	24.3	787
64100463	4	1.067	27.1	995
64100563	5	1.177	29.9	1228
<b>▶ 2 AWG (≈ 272/26) • 35.00 mm²</b>				
64100364	3	1.091	27.7	1062
64100464	4	1.197	30.4	1322
<b>▶ 1 AWG (≈ 400/26) • 50.00 mm²</b>				
64100365	3	1.240	31.5	1483
64100465	4	1.358	34.5	1855

Other dimensions and colors are possible on request.



especially for use in shipbuilding industry

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Web site: [www.sabcable.com](http://www.sabcable.com)