

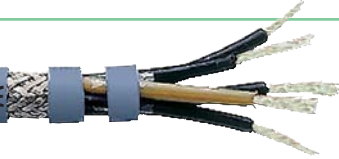
HALOGEN-FREE CABLES



SABIX® BL 438 C FRNC Flexible control cable with overall copper screen 300/500 V

BL = BlueLine

5 x 1,5 mm² ABS Assessed · Lloyd's Register



Marking for SABIX® BL 438 C FRNC 64380515:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 438 C FRNC · Control Cable 5 x 1,5 mm² ABS Assessed · Lloyd's Register

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 Control with a nominal voltage of 300/500 V complement the new product series with control cables for electrical components.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	SABIX® FRNC
Color code	black conductors with consecutive numbers acc. to EN 50334 green-yellow earth wire from 3 conductors
Stranding:	in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding
Sheath:	SABIX® FRNC
Sheath color:	pigeon blue

Outstanding features:

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

* Copper braiding should be connected circularly to optimize the EMC characteristics


Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage U:	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2, conductor/screen 2000 V
Min. bending radius <i>fixed laying:</i>	5 x O. D.
<i>flexible application:</i>	10 x O. D.
Temperature range <i>fixed laying:</i>	-40/+90 °C
<i>flexible application:</i>	-30/+90 °C
Zero halogen:	acc. to EN 50267-2-1 + IEC 60754-1
Burning characteristics:	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
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + DIN EN 50267-2-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + EN 61034
Flexibility:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

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	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 16/32) • 0.50 mm²					▶ 18 AWG (≈ 30/32) • 1.00 mm²					▶ 14 AWG (≈ 46/30) • 2.50 mm²				
64380205	2	0.228	5.8	34	64380210	2	0.260	6.6	44	64380225	2	0.343	8.7	77
64380305	3	0.240	6.1	38	64380310	3	0.272	6.9	52	64380325	3	0.366	9.3	97
64380405	4	0.260	6.6	46	64380410	4	0.295	7.5	62	64380425	4	0.398	10.1	121
64380505	5	0.280	7.1	55	64380510	5	0.331	8.4	79	64380525	5	0.453	11.5	159
64380705	7	0.311	7.9	70	64380710	7	0.354	9.0	97	64380725	7	0.492	12.5	201
64381205	12	0.402	10.2	111	64381210	12	0.476	12.1	168	64381225	12	0.661	16.8	345
64381805	18	0.484	12.3	169	64381810	18	0.575	14.6	254	64381825	18	0.791	20.1	506
▶ 19 AWG (≈ 23/32) • 0.75 mm²					▶ 16 AWG (≈ 27-29/30) • 1.50 mm²					Other dimensions and colors are possible on request.				
64380207	2	0.252	6.4	39	64380215	2	0.287	7.3	54	 <p>especially for use in shipbuilding industry</p>				
64380307	3	0.264	6.7	46	64380315	3	0.299	7.6	65					
64380407	4	0.287	7.3	56	64380415	4	0.331	8.4	81					
64380507	5	0.315	8.0	69	64380515	5	0.366	9.3	101					
64380707	7	0.343	8.7	85	64380715	7	0.398	10.1	126					
64381207	12	0.461	11.7	149	64381215	12	0.531	13.5	217					
64381807	18	0.539	13.7	209	64381815	18	0.642	16.3	328					

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Web site: www.sabcable.com