

HALOGEN-FREE CABLES



SABIX® BL 412 C FRNC Flexible power cable with overall copper screen 0,6/1 kV

BL = BlueLine



Marking for SABIX® BL 412 C FRNC 64121215:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 412 C 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:

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
Screen:	tinned copper braiding
Sheath:	SABIX® FRNC
Sheath color:	black

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 0,6/1 kV
Testing voltage U:	4000 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

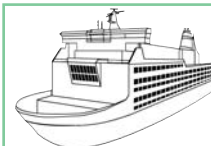


item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) • 1.50 mm²				
64120215	2	0.370	9.4	85
64120315	3	0.390	9.9	101
64120415	4	0.445	11.3	136
64120515	5	0.484	12.3	163
64120715	7	0.524	13.3	196
64121015	10	0.677	17.2	294
64121215	12	0.697	17.7	327
64121415	14	0.728	18.5	362
64121815	18	0.819	20.8	464
▶ 14 AWG (≈ 46/30) • 2.50 mm²				
64120225	2	0.402	10.2	93
64120325	3	0.449	11.4	142
64120425	4	0.484	12.3	163
64120525	5	0.528	13.4	206
64120725	7	0.594	15.1	272
64121025	10	0.740	18.8	370
64121225	12	0.776	19.7	434
64121425	14	0.811	20.6	485
64121825	18	0.898	22.8	601

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 12 AWG (≈ 52/28) • 4.00 mm²				
64120240	2	0.504	12.8	170
64120340	3	0.531	13.5	190
64120440	4	0.587	14.9	255
64120540	5	0.657	16.7	323
64120740	7	0.713	18.1	397
▶ 10 AWG (≈ 78/28) • 6.00 mm²				
64120260	2	0.543	13.8	208
64120360	3	0.598	15.2	273
64120460	4	0.650	16.5	296
64120560	5	0.713	18.1	405
64120760	7	0.787	20.0	517
▶ 8 AWG (≈ 77/26) • 10.00 mm²				
64120361	3	0.705	17.9	396
64120461	4	0.768	19.5	487
64120561	5	0.858	21.8	614

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 6 AWG (≈ 122/26) • 16.00 mm²				
64120362	3	0.839	21.3	569
64120462	4	0.913	23.2	697
64120562	5	1.024	26.0	884
▶ 4 AWG (≈ 190/26) • 25.00 mm²				
64120363	3	1.008	25.6	832
64120463	4	1.102	28.0	1027
64120563	5	1.228	31.2	1292
▶ 2 AWG (≈ 272/26) • 35.00 mm²				
64120364	3	1.126	28.6	1077
64120464	4	1.248	31.7	1372
▶ 1 AWG (≈ 400/26) • 50.00 mm²				
64120365	3	1.276	32.4	1487
64120465	4	1.394	35.4	1872

Other dimensions and colors are possible on request.



especially for use in shipbuilding industry

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Web site: www.sabcable.com