

Halogen-free Cables

SABIX® BL 410 FRNC

SABIX® BL - Flexible power cable 0.6/1 kV

0.6/1 kV

SAB BL-Line

2 x 1.5 mm² - IEC 60332-3-22 - 300/500V

DNV CE



Marking for SABIX® BL 410 FRNC 64101215:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 410 FRNC 12 x 1.5 mm² - IEC 60332-3-22 - 300/500V — DNV CE and current meter marking

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special SABIX®
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
Stranding:	in layers
Jacket material:	special SABIX® SHF 1 compound acc. to IEC 60092-360
Jacket color:	black (RAL 9005)

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:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V
Min. bending radius:	4 x O.D.
<i>fixed installation:</i>	6 x O.D.
<i>free movement</i>	
Temperature range:	
<i>static:</i>	-40/+90°C
<i>flexible:</i>	-30/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	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
Corrosivity:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + VDE 0482-1034
Flexibility:	very good
Approvals:	DNV, CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
64100215	2	0.350	8.9	81
64100315	3	0.370	9.4	92
64100415	4	0.402	10.2	110
64100515	5	0.449	11.4	138
64100715	7	0.488	12.4	168
64101015	10	0.626	15.9	234
64101215	12	0.654	16.6	273
64101415	14	0.685	17.4	308
64101815	18	0.768	19.5	396
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
64100225	2	0.382	9.7	101
64100325	3	0.406	10.3	118
64100425	4	0.449	11.4	147
64100525	5	0.492	12.5	179
64100725	7	0.543	13.8	226
64101025	10	0.697	17.7	316
64101225	12	0.717	18.2	363
64101425	14	0.760	19.3	418
64101825	18	0.854	21.7	536

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
64100240	2	0.469	11.9	155
64100340	3	0.496	12.6	181
64100440	4	0.551	14.0	224
64100540	5	0.606	15.4	275
64100740	7	0.669	17.0	349
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
64100260	2	0.508	12.9	193
64100360	3	0.547	13.9	234
64100460	4	0.598	15.2	287
64100560	5	0.669	17.0	359
64100760	7	0.728	18.5	453
▶ 8 AWG (≈ 77/26) ▪ 10.00 mm²				
64100361	3	0.661	16.8	359
64100461	4	0.724	18.4	443
64100561	5	0.807	20.5	554

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 6 AWG (≈ 122/26) ▪ 16.00 mm²				
64100362	3	0.787	20.0	523
64100462	4	0.870	22.1	654
64100562	5	0.972	24.7	818
▶ 4 AWG (≈ 190/26) ▪ 25.00 mm²				
64100363	3	0.949	24.1	778
64100463	4	1.051	26.7	976
64100563	5	1.177	29.9	1228
▶ 2 AWG (≈ 272/26) ▪ 35.00 mm²				
64100364	3	1.083	27.5	1053
64100464	4	1.197	30.4	1322
▶ 1 AWG (≈ 400/26) ▪ 50.00 mm²				
64100365	3	1.224	31.1	1459
64100465	4	1.350	34.3	1840

Other dimensions and colors are available on request



Possible on request:

- bare copper strands
- alternative color code and jacket color



www.sabcable.com
866-722-2974 ■ info@sabcable.com

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