

Halogen-free Cables

SABIX® BL 409 C FRNC

SABIX® BL - Flexible power cable with overall copper shield 0.6/1 kV

0.6/1 kV

SAB BL-Line

NC 4.0 mm² - IEC 60332-3-22 - 0.6/1kV

DNV CE



Marking for SABIX® BL 409 C FRNC 64090186:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 409 C FRNC 4,0 mm² - IEC 60332-3-22 - 0.6/1kV — 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 (RAL 9005)
Shielding:	tinned copper braiding
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
- good EMC characteristics*
- 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

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

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V
Min. bending radius:	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
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.	mm ²	AWG MCM	nominal outer-ø		cable weight ≈lbs/mft	
			inch ±5%	mm ±5%		
▶ 64090175	0.75	19	(≈ 23/32)	0.224	5.7	35
▶ 64090180	1.00	18	(≈ 30/32)	0.228	5.8	37
▶ 64090182	1.50	16	(≈ 28/30)	0.240	6.1	42
▶ 64090184	2.50	14	(≈ 46/30)	0.256	6.5	51
▶ 64090186	4.00	12	(≈ 52/28)	0.295	7.5	70
▶ 64090187	6.00	10	(≈ 78/28)	0.315	8.0	85
▶ 64090188	10.00	8	(≈ 77/26)	0.362	9.2	123
▶ 64090189	16.00	6	(≈ 122/26)	0.417	10.6	169
▶ 64090190	25.00	4	(≈ 190/26)	0.496	12.6	259
▶ 64090191	35.00	2	(≈ 272/26)	0.575	14.6	360
▶ 64090192	50.00	1	(≈ 400/26)	0.642	16.3	481
▶ 64090193	70.00	2/0	(≈ 543/26)	0.740	18.8	628
▶ 64090194	95.00	3/0	(≈ 484/24)	0.846	21.5	834
▶ 64090195	120.00	4/0	(≈ 589/24)	0.925	23.5	1016
▶ 64090196	150.00	250	(≈ 740/24)	1.008	25.6	1233
▶ 64090197	185.00	350	(≈ 902/24)	1.098	27.9	1478
▶ 64090198	240.00	450	(≈ 1220/24)	1.256	31.9	1948

Other dimensions and colors are available on request



Possible on request:

- bare copper strands
- alternative color code and jacket color