

Halogen-free Cables

SABIX® BL 412 C FRNC

flexible power cable with overall copper screen 0.6/1 kV

0,6/1 kV



marking example:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 412 C FRNC 12 x 1,5mm² - 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®
Colour code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 conductors
Stranding:	in layers
Screen:	tinned copper braiding
Sheath material:	special SABIX® SHF 1 compound acc. to IEC 60092-360
Sheath colour:	black (RAL 9005)

Technical Data:

Nominal voltage:	Uo/U 0,6/1 kV
Testing voltage:	core/core 4000 V core/screen 4000 V
Min. bending radius	
fixed laying:	4 x d
flexible application:	6 x d
Temperature range	
fixed laying:	-40/+90 °C
flexible application:	-30/+90 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	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
Corrosiveness of conflagration gases:	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
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Outstanding features:

- » halogen-free
- » 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

item no.	no. of cores x cross section n x mm²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
64120215	2 x 1,50	9,4	55,0	123
64120315	3 x 1,50	9,9	72,2	140
64120415	4 x 1,50	10,9	105,2	181
64120515	5 x 1,50	12,1	126,2	226
64120715	7 x 1,50	13,1	160,4	275
64121015	10 x 1,50	17,0	253,8	417
64121215	12 x 1,50	17,5	283,2	465
64121415	14 x 1,50	18,3	313,1	516
64121815	18 x 1,50	20,4	384,8	654
64120225	2 x 2,50	10,2	77,1	155
64120325	3 x 2,50	11,0	119,6	190
64120425	4 x 2,50	12,1	150,2	236
64120525	5 x 2,50	13,2	179,6	286
64120725	7 x 2,50	14,7	253,9	376
64121025	10 x 2,50	18,6	351,9	525
64121225	12 x 2,50	19,1	411,8	600
64121425	14 x 2,50	20,2	461,2	683
64121825	18 x 2,50	22,6	572,7	865
64120240	2 x 4,00	12,6	131,3	238
64120340	3 x 4,00	13,3	174,9	277
64120440	4 x 4,00	14,9	239,6	361

item no.	no. of cores x cross section n x mm²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
64120540	5 x 4,00	16,3	290,3	443
64120740	7 x 4,00	17,9	379,7	566
64120260	2 x 6,00	13,8	175,0	303
64120360	3 x 6,00	14,8	258,8	368
64120460	4 x 6,00	16,1	328,4	466
64120560	5 x 6,00	17,9	398,9	567
64120760	7 x 6,00	19,6	527,5	723
64120361	3 x 10,0	17,7	398,7	542
64120461	4 x 10,0	19,5	508,1	732
64120561	5 x 10,0	21,4	618,8	853
64120362	3 x 16,0	20,9	598,7	768
64120462	4 x 16,0	23,0	755,9	992
64120562	5 x 16,0	25,6	938,8	1231
64120363	3 x 25,0	25,2	889,8	1126
64120463	4 x 25,0	27,8	1135,9	1465
64120563	5 x 25,0	30,8	1400,7	1805
64120364	3 x 35,0	28,4	1185,4	1508
64120464	4 x 35,0	31,3	1546,6	1978
64120365	3 x 50,0	32,0	1645,3	2039
64120465	4 x 50,0	35,2	2149,1	2678

Other dimensions and colours are possible on request.

Possible on request:

- » bare copper strands
- » alternative colour code
and sheath colour