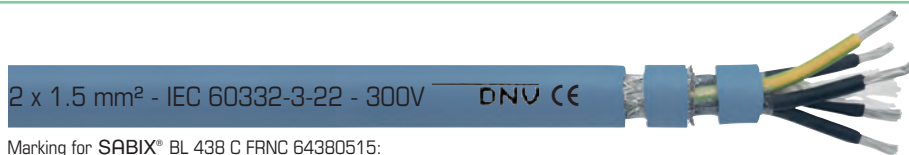
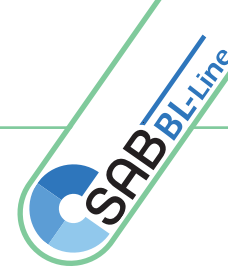


Halogen-free Cables

SABIX® BL 438 C FRNC

SABIX® BL - Flexible control cable with overall tinned copper shield 300/500 V



Marking for SABIX® BL 438 C FRNC 64380515:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 438 C FRNC 5 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
Wrapping:	PETP foil
Shielding:	tinned copper braiding
Jacket material:	special SABIX® SHF 1 compound acc. to IEC 60092-360
Jacket color:	pigeon blue (RAL 5014)

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 300/500 V
Testing voltage:	conductor/conductor: 2000 V conductor/shielding: 2000 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.	no. of conductors incl. ground	nominal outer-ø		cable weight ≈lbs/mft
		inch ±5%	mm ±5%	
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²				
64380205	2	0.228	5.8	34
64380305	3	0.240	6.1	38
64380405	4	0.260	6.6	46
64380505	5	0.280	7.1	55
64380705	7	0.311	7.9	70
64381205	12	0.402	10.2	111
64381805	18	0.484	12.3	169
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
64380207	2	0.240	6.1	39
64380307	3	0.252	6.4	44
64380407	4	0.287	7.3	56
64380507	5	0.315	8.0	69
64380707	7	0.343	8.7	85
64381207	12	0.461	11.7	148
64381807	18	0.539	13.7	209

item no.	no. of conductors incl. ground	nominal outer-ø		cable weight ≈lbs/mft
		inch ±5%	mm ±5%	
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
64380210	1	0.260	6.6	44
64380310	3	0.272	6.9	52
64380410	4	0.295	7.5	62
64380510	5	0.331	8.4	79
64380710	7	0.354	9.0	97
64381210	12	0.476	12.1	168
64381810	18	0.575	14.6	254
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
64380215	2	0.287	7.3	54
64380315	3	0.299	7.6	65
64380415	4	0.331	8.4	81
64380515	5	0.366	9.3	101
64380715	7	0.398	10.1	126
64381215	12	0.531	13.5	217
64381815	18	0.642	16.3	328

item no.	no. of conductors incl. ground	nominal outer-ø		cable weight ≈lbs/mft
		inch ±5%	mm ±5%	
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
64380225	2	0.343	8.7	77
64380325	3	0.366	9.3	97
64380425	4	0.398	10.1	121
64380525	5	0.453	11.5	159
64380725	7	0.492	12.5	201
64381225	12	0.661	16.8	345
64381825	18	0.791	20.1	506

Other dimensions and colors are available on request



Possible on request:

- bare copper strands
- alternative color code and jacket color

