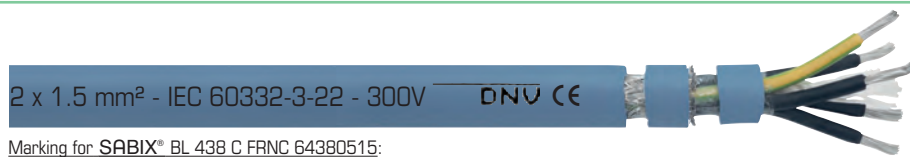


# Halogen-free Cables

## 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:

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

<b>Nominal voltage:</b>	Uo/U 300/500 V
<b>Testing voltage:</b>	conductor/conductor: 2000 V conductor/shielding: 2000 V
<b>Min. bending radius:</b>	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D.
<b>Temperature range:</b>	<b>DIN VDE</b> <i>static:</i> -40/+90°C <i>flexible:</i> -30/+90°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	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
<b>Corrosivity:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034
<b>Flexibility:</b>	very good
<b>Approvals:</b>	DNV, CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
<b>▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²</b>				
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
<b>▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²</b>				
64380207	2	0.252	6.4	39
64380307	3	0.264	6.7	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	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
<b>▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²</b>				
64380210	2	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
<b>▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²</b>				
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	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
<b>▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²</b>				
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

