

# Halogen-free Cables

## SABIX® BL 405 FRNC

SABIX® BL - Flexible data cable



Marking for SABIX® BL 405 FRNC 64051650:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 405 FRNC 16 x 0.5mm² - IEC 60332-3-22 - 350V DNV-GL CE and current meter marking

### Construction:

<b>Conductor:</b>	tinned copper strands with reference to VDE 0812 resp. IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	special SABIX®
<b>Color code:</b>	DIN 47100, see page O/26
<b>Stranding:</b>	in layers
<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
- 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-GL  
Russian Maritime Register of Shipping

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V
<b>Testing voltage:</b>	conductor/conductor: 1500 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>	
<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-GL, CE, EAC, 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	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>▶ 26 AWG (≈ 18/38) ▪ 0.14 mm²</b>				
64050214	2	0.142	3.6	12
64050314	3	0.150	3.8	14
64050414	4	0.161	4.1	16
64050514	5	0.177	4.5	19
64050614	6	0.189	4.8	22
64050714	7	0.189	4.8	24
64050814	8	0.217	5.5	28
64051214	12	0.248	6.3	38
64051614	16	0.276	7.0	47
<b>▶ 24 AWG (≈ 14/34) ▪ 0.25 mm²</b>				
64050225	2	0.154	3.9	15
64050325	3	0.161	4.1	17
64050425	4	0.177	4.5	21
64050525	5	0.193	4.9	25
64050625	6	0.209	5.3	29
64050725	7	0.209	5.3	31
64050825	8	0.244	6.2	38
64051225	12	0.276	7.0	50
64051625	16	0.303	7.7	62

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>▶ 22 AWG (≈ 7/30) ▪ 1.00 mm²</b>				
64050234	2	0.169	4.3	19
64050334	3	0.181	4.6	22
64050434	4	0.197	5.0	26
64050534	5	0.213	5.4	32
64050634	6	0.240	6.1	39
64050734	7	0.240	6.1	41
64050834	8	0.276	7.0	49
64051234	12	0.307	7.8	64
64051634	16	0.354	9.0	87
<b>▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²</b>				
64050250	2	0.185	4.7	24
64050350	3	0.197	5.0	28
64050450	4	0.213	5.4	34
64050550	5	0.240	6.1	43
64050650	6	0.264	6.7	50
64050750	7	0.264	6.7	53
64050850	8	0.303	7.7	64
64051250	12	0.354	9.0	89
64051650	16	0.394	10.0	114

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²</b>				
64050275	2	0.205	5.2	29
64050375	3	0.217	5.5	35
64050475	4	0.244	6.2	44
64050575	5	0.268	6.8	53
64050675	6	0.291	7.4	62
64050775	7	0.291	7.4	67
64050875	8	0.346	8.8	85
64051275	12	0.398	10.1	112
64051675	16	0.437	11.1	142

Other dimensions and colors are available on request



### Possible on request:

- bare copper strands
- alternative color code and jacket color