

HALOGEN-FREE CABLES

SABIX® BL 405 FRNC halogen-free flexible data cable

BL = BlueLine



350V DNV-GL ABS Assessed Lloyd's Register



Marking for SABIX BL 405 FRNC 64051650: SAB BRÖCKSKES · D-VIERSEN ·
SABIX BL 405 FRNC 16x0,5mm² - IEC 60332-3-22 - 350V DNV-GL ABS Assessed Lloyd's Register CE and current meter marking

Construction:	
Conductor:	tinned copper strands acc. to DIN VDE 0812 resp. IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	special SABIX®
Colour code:	with reference to DIN 47100
Stranding:	in layers
Sheath material:	special SABIX® SHF 1 compound acc. to IEC 60092-359
Sheath colour:	pigeon blue (RAL 5014)

Technical data:	
Peak operating voltage:	max. 350 V
Testing voltage:	1500 V
Min. bending radius	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
Temperature range	
<i>fixed laying:</i>	-40/+90 °C
<i>flexible application:</i>	-30/+90 °C
Halogen-free:	acc. to EN 50267-2-1 + IEC 60754-1
Fire performance:	no flame propagation acc. to IEC 60332-3-22 + DIN EN 60332-3-22 cat. A. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + DIN EN 60332-1-2
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + DIN EN 50267-2-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + EN 61034
Flexibility:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

Outstanding features:

- halogen-free
- 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: Det Norske Veritas - Germanischer Lloyd Lloyd's Register American Bureau of Shipping Registro Italiano Navale
- EAC approval

Possible on request:



- bare copper strands
- alternative colour code and sheath colour

item no.	no. of cores x cross section n x mm ²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
64050214	2 x 0,14	3,6	2,7	18
64050314	3 x 0,14	3,8	4,0	21
64050414	4 x 0,14	4,1	5,4	24
64050514	5 x 0,14	4,5	6,7	29
64050614	6 x 0,14	4,8	8,1	33
64050714	7 x 0,14	4,8	9,4	35
64050814	8 x 0,14	5,5	10,8	42
64051214	12 x 0,14	6,3	16,1	56
64051614	16 x 0,14	7,0	21,5	70
64050225	2 x 0,25	3,9	4,8	22
64050325	3 x 0,25	4,1	7,2	26
64050425	4 x 0,25	4,5	9,6	31
64050525	5 x 0,25	4,9	12,0	37
64050625	6 x 0,25	5,3	14,4	43
64050725	7 x 0,25	5,3	16,8	46
64050825	8 x 0,25	6,2	19,2	57
64051225	12 x 0,25	7,0	28,8	74
64051625	16 x 0,25	7,7	38,4	93
64050234	2 x 0,34	4,3	6,5	28
64050334	3 x 0,34	4,6	9,8	33
64050434	4 x 0,34	5,0	13,1	39
64050534	5 x 0,34	5,4	16,3	47
64050634	6 x 0,34	6,1	19,6	58

item no.	no. of cores x cross section n x mm ²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
64050734	7 x 0,34	6,1	22,8	61
64050834	8 x 0,34	7,0	26,1	73
64051234	12 x 0,34	7,8	39,2	95
64051634	16 x 0,34	9,0	52,5	129
64050250	2 x 0,50	4,7	9,6	35
64050350	3 x 0,50	5,0	14,4	42
64050450	4 x 0,50	5,4	19,2	50
64050550	5 x 0,50	6,1	24,0	64
64050650	6 x 0,50	6,7	28,8	74
64050750	7 x 0,50	6,7	33,6	79
64050850	8 x 0,50	7,7	38,4	95
64051250	12 x 0,50	9,0	57,6	133
64051650	16 x 0,50	10,0	76,8	169
64050275	2 x 0,75	5,2	14,4	43
64050375	3 x 0,75	5,5	21,6	52
64050475	4 x 0,75	6,2	28,8	66
64050575	5 x 0,75	6,8	36,0	79
64050675	6 x 0,75	7,4	43,2	92
64050775	7 x 0,75	7,4	50,4	99
64050875	8 x 0,75	8,8	57,6	126
64051275	12 x 0,75	10,1	86,4	166
64051675	16 x 0,75	11,1	115,2	212

Other dimensions and colours are possible on request.



Especially for use
in shipbuilding industry