

HALOGEN-FREE CABLES

SABIX® BL 445 C FRNC TP halogen-free flexible paired data cable with overall copper screen

BL = BlueLine



Marking for SABIX BL 445 C FRNC TP 64450325: SAB BRÖCKSKES · D-VIERSEN ·
SABIX BL 445 C FRNC TP 3x2x0,25mm² - 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:	pairwise, pairs in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding
Sheath material:	special SABIX® SHF 1 compound acc. to IEC 60092-359
Sheath colour:	pigeon blue (RAL 5014)

Outstanding features:

- halogen-free
- asbestos-free
- good EMC characteristics*
- good transmission rates and crosstalk attenuation
- 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

* Copper braiding should be connected circularly to optimize the EMC characteristics

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	core/core 1500 V core/screen 1200 V
Min. bending radius	
fixed laying:	5 x d
flexible application:	10 x d
Temperature range	
fixed laying:	-40/+90 °C
flexible application:	-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

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Possible on request:



- bare copper strands
- alternative colour code and sheath colour

item no.	no. of pairs x cross section n x 2 x mm ²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
64450214	2 x 2 x 0,14	5,3	19,5	37
64450314	3 x 2 x 0,14	5,8	21,4	44
64450414	4 x 2 x 0,14	6,8	30,4	58
64450514	5 x 2 x 0,14	7,4	34,9	68
64450614	6 x 2 x 0,14	7,6	39,8	76
64450814	8 x 2 x 0,14	8,7	47,6	98
64451014	10 x 2 x 0,14	9,5	55,9	114
64451214	12 x 2 x 0,14	10,6	79,9	142
64451814	18 x 2 x 0,14	12,4	102,9	200
64450225	2 x 2 x 0,25	5,8	25,7	44
64450325	3 x 2 x 0,25	6,5	32,1	57
64450425	4 x 2 x 0,25	7,4	40,6	71
64450525	5 x 2 x 0,25	8,7	50,1	96
64450625	6 x 2 x 0,25	8,7	54,9	104
64450825	8 x 2 x 0,25	9,1	67,4	121
64451025	10 x 2 x 0,25	10,6	95,7	156
64451225	12 x 2 x 0,25	11,6	111,9	180
64451825	18 x 2 x 0,25	13,8	171,9	272
64452625	26 x 2 x 0,25	16,3	223,2	368

item no.	no. of pairs x cross section n x 2 x mm ²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
64450234	2 x 2 x 0,34	6,4	30,7	56
64450334	3 x 2 x 0,34	7,2	40,9	71
64450434	4 x 2 x 0,34	8,7	52,3	97
64450534	5 x 2 x 0,34	9,4	61,6	115
64450634	6 x 2 x 0,34	9,6	68,2	128
64450834	8 x 2 x 0,34	10,8	100,0	164
64451034	10 x 2 x 0,34	11,8	119,7	194
64451234	12 x 2 x 0,34	13,4	138,2	238
64451834	18 x 2 x 0,34	15,8	215,3	357
64450250	2 x 2 x 0,50	7,2	40,5	70
64450350	3 x 2 x 0,50	7,9	52,5	88
64450450	4 x 2 x 0,50	9,5	67,4	120
64450550	5 x 2 x 0,50	10,5	95,6	154
64450650	6 x 2 x 0,50	10,8	105,4	171
64450850	8 x 2 x 0,50	11,9	131,3	207
64451050	10 x 2 x 0,50	13,4	155,9	259
64451250	12 x 2 x 0,50	15,0	212,6	322
64451850	18 x 2 x 0,50	17,4	283,5	451
64450275	2 x 2 x 0,75	7,9	52,5	87
64450375	3 x 2 x 0,75	9,2	69,5	115
64450475	4 x 2 x 0,75	10,7	105,3	156
64450575	5 x 2 x 0,75	11,6	126,3	186
64450675	6 x 2 x 0,75	12,4	141,0	221
64450875	8 x 2 x 0,75	13,8	200,7	284
64451075	10 x 2 x 0,75	15,2	241,6	338
64451275	12 x 2 x 0,75	17,2	283,2	411
64451875	18 x 2 x 0,75	19,4	384,0	553

Other dimensions and colours are possible on request.



Especially for use
in shipbuilding industry

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