

HALOGEN-FREE CABLES



SABIX® BL 445 C FRNC TP 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 · Data Cable 3 x 2 x 0,25 mm² GL ABS Assessed · Lloyd's Register CE

The halogen-free SABIX® BlueLine cables have been approved by GL, LR as well as ABS. Their SABIX® characteristics fulfill the highest safety-related aspects in shipbuilding with regards to both fire performance as well as being halogen-free. Data cables, type SABIX® BlueLine Data, are available with small cross sections beginning with AWG 26. This results in a small outer diameter which offers an outstanding advantage particularly where there is only little space.

Construction:

Conductor:	tinned copper strands acc. to DIN VDE 0812 resp. IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	SABIX® FRNC
Color code:	with reference to DIN 47100
Stranding:	pairwise, pairs in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding
Jacket material:	SABIX® FRNC
Sheath color:	pigeon blue

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	1500 V
Min. bending radius	
fixed laying:	5 x O. D.
flexible application:	10 x O. D.
Temperature range	
fixed laying:	-40/+90 °C
flexible application:	-30/+90 °C
Zero halogen:	acc. to EN 50267-2-1 + IEC 60754-1
Burning characteristics:	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/28

Outstanding features:

- halogen-free
- good EMC characteristics*
- good transmission rates and crosstalk attenuation
- no flame propagation
- flame retardant and self-extinguishing
- flexible
- approvals:
Germanischer Lloyds
Lloyd's Register
American Bureau of Shipping

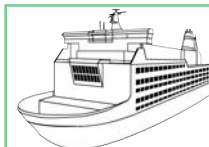
* Copper braiding should be connected circularly to optimize the EMC characteristics

Possible on request:

- bare copper strands
- alternative color code and sheath color
for an improved uv resistance we recommend a black outer sheath



item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm²					▶ 22 AWG (≈ 7/30) • 0.34 mm²					▶ 19 AWG (≈ 23/32) • 0.75 mm²				
64450214	2	0.209	5.3	25	64450234	2	0.252	6.4	38	64450275	2	0.311	7.9	58
64450314	3	0.228	5.8	30	64450334	3	0.283	7.2	48	64450375	3	0.362	9.2	77
64450414	4	0.268	6.8	39	64450434	4	0.343	8.7	65	64450475	4	0.421	10.7	105
64450514	5	0.291	7.4	46	64450534	5	0.370	9.4	77	64450575	5	0.457	11.6	125
64450614	6	0.299	7.6	51	64450634	6	0.378	9.6	86	64450675	6	0.488	12.4	149
64450814	8	0.343	8.7	66	64450834	8	0.425	10.8	110	64450875	8	0.543	13.8	191
64451014	10	0.374	9.5	77	64451034	10	0.465	11.8	130	64451075	10	0.598	15.2	227
64451214	12	0.417	10.6	95	64451234	12	0.528	13.4	160	64451275	12	0.677	17.2	276
64451814	18	0.488	12.4	134	64451834	18	0.622	15.8	240	64451875	18	0.764	19.4	372
▶ 24 AWG (≈ 14/34) • 0.25 mm²					▶ 20 AWG (≈ 16/32) • 0.50 mm²					Other dimensions and colors are possible on request.				
64450225	2	0.228	5.8	30	64450250	2	0.283	7.2	47					
64450325	3	0.256	6.5	38	64450350	3	0.311	7.9	59					
64450425	4	0.291	7.4	48	64450450	4	0.374	9.5	81					
64450525	5	0.343	8.7	65	64450550	5	0.413	10.5	103					
64450625	6	0.343	8.7	70	64450650	6	0.425	10.8	115					
64450825	8	0.358	9.1	81	64450850	8	0.469	11.9	139					
64451025	10	0.417	10.6	105	64451050	10	0.528	13.4	174					
64451225	12	0.457	11.6	121	64451250	12	0.591	15.0	216					
64451825	18	0.543	13.8	183	64451850	18	0.685	17.4	303					



especially for use in shipbuilding industry

E-mail: info@sabcable.com



Web site: www.sabcable.com