

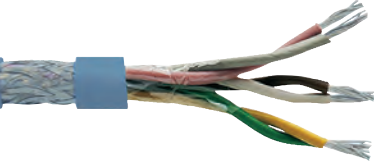
Halogen-free Cables

SABIX® BL 445 C FRNC TP

SABIX® BL - Flexible paired data cable with overall tinned copper shield



25mm² IEC 60332-3-22 - 350V DNV CE



Marking for SABIX® BL 445 C FRNC TP 64450325:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 445 C FRNC TP 3 x 2 x 0.25 mm² - IEC 60332-3-22 - 350V DNV CE

Construction:

Conductor:	tinned copper strands with reference to VDE 0812 resp. IEC 60228, VDE 0295, class 5
Insulation:	special SABIX®
Color code:	DIN 47100, see below
Stranding:	pairwise, pairs in layers
Wrapping:	foil
Shielding:	tinned copper braiding
Jacket material:	special SABIX® SHF 1 compound acc. to IEC 60092-360
Jacket color:	pigeon blue (RAL 5014)

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	conductor/conductor: 1500 V conductor/shielding: 1200 V
Min. bending radius:	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D.
Temperature range:	DIN VDE <i>static:</i> -40/+90°C <i>flexible:</i> -30/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	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
Corrosivity:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + VDE 0482-1034
Flexibility:	very good
Approvals:	DNV, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

Outstanding features:



- low smoke halogen-free (LSHF)
- 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: DNV

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



Possible on request:

- bare copper strands
- alternative color code and jacket color

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item no.	no. of pairs	outer-ø ±10% inch	±10% mm	cable weight ≈lbs/mft
▶ 26 AWG (≈ 18/38) ▪ 0.14 mm²				
64450214	2	0.209	5.3	25
64450314	3	0.228	5.8	30
64450414	4	0.268	6.8	39
64450514	5	0.291	7.4	46
64450614	6	0.299	7.6	51
64450814	8	0.343	8.7	66
64451014	10	0.374	9.5	77
64451214	12	0.417	10.6	95
64451814	18	0.488	12.4	134
▶ 24 AWG (≈ 14/34) ▪ 0.25 mm²				
64450225	2	0.228	5.8	30
64450325	3	0.256	6.5	38
64450425	4	0.291	7.4	48
64450525	5	0.343	8.7	65
64450625	6	0.343	8.7	70
64450825	8	0.358	9.1	81
64451025	10	0.417	10.6	105
64451225	12	0.457	11.6	121
64451825	18	0.543	13.8	183
64452625	26	0.642	16.3	247

item no.	no. of pairs	outer-ø ±10% inch	±10% mm	cable weight ≈lbs/mft
▶ 22 AWG (≈ 7/30) ▪ 0.34 mm²				
64450234	2	0.252	6.4	38
64450334	3	0.283	7.2	48
64450434	4	0.343	8.7	65
64450534	5	0.370	9.4	77
64450634	6	0.378	9.6	86
64450734	7	0.398	10.1	101
64450834	8	0.425	10.8	110
64451034	10	0.465	11.8	130
64451234	12	0.528	13.4	160
64451834	18	0.622	15.8	240
64451934	19	0.622	15.8	247
64452734	27	0.717	18.2	321
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²				
64450250	2	0.283	7.2	47
64450350	3	0.311	7.9	59
64450450	4	0.374	9.5	81
64450550	5	0.413	10.5	103
64450650	6	0.425	10.8	115
64450850	8	0.469	11.9	139
64451050	10	0.528	13.4	174
64451250	12	0.591	15.0	216
64451850	18	0.685	17.4	303

item no.	no. of pairs	outer-ø ±10% inch	±10% mm	cable weight ≈lbs/mft
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
64450275	2	0.311	7.9	58
64450375	3	0.362	9.2	77
64450475	4	0.421	10.7	105
64450575	5	0.457	11.6	125
64450675	6	0.488	12.4	148
64450875	8	0.543	13.8	191
64451075	10	0.598	15.2	227
64451275	12	0.677	17.2	276
64451875	18	0.764	19.4	372

Other dimensions and colors are available on request

DIN 47100 color code:

- #1- white/brown, #2- green/yellow, #3- gray/pink,
- #4- blue/red, #5- black/purple, #6- gray-pink/red-blue,
- #7- white-green/brown-green, #8- white-yellow/yellow-brown,
- #9- white-gray/gray-brown, #10- white-pink/pink-brown,
- #11- white-blue/brown-blue, #12- white-red/brown-red,
- #13- white-black/brown-black, #14- gray-green/yellow-gray,
- #15- pink-green/yellow-pink, #16- green-blue/yellow-blue,
- #17- green-red/yellow-red, #18- green-black/yellow-black,
- #19- gray-blue/pink-blue, #20- gray-red/pink-red,
- #21- gray-black/pink-black, #22- blue-black, red-black,
- #23- white/brown, #24- green/yellow, #25- gray/pink,
- #26- blue/red, #27- black/purple

