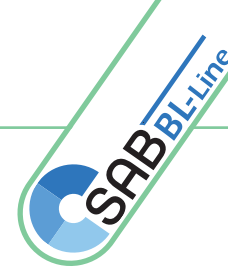


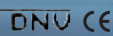
Halogen-free Cables

SABIX® BL 443 C FRNC TT

SABIX® BL - Twisted triad flexible data cable, twisted triad with overall copper shield



TT 7 x 3 x 0.34 mm² - IEC 60332-3-22 - 300V



Marking for SABIX® BL 443 C FRNC TT 64430734:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 443 C FRNC TT 7 x 3 x 0.34 mm² - IEC 60332-3-22 - 300V — DNV CE and current meter marking

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special SABIX®
Color code:	≤ 0.25 mm ² = DIN 47100, see page O/26 ≥ 0.34 mm ² = white, blue, red with printed triad number
Stranding:	conductors white, blue, red twisted to triads, triads twisted 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)

Outstanding features:

- low smoke halogen-free (LSHF)
- asbestos-free
- good EMC characteristics*
- 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

Technical data:

Peak operating voltage:	max. 300 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:	<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, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of triads	nominal outer-ø inch ±10%	nominal outer-ø mm ±10%	cable weight ≈lbs/mft
► 24 AWG (≈ 14/34) ▪ 0.25 mm²				
64430225	2	0.283	7.2	46
64430425	4	0.346	8.8	69
64430725	7	0.417	10.6	108
64431025	10	0.528	13.4	158
► 22 AWG (≈ 7/30) ▪ 1.00 mm²				
64430234	2	0.315	8.0	55
64430434	4	0.386	9.8	85
64430734	7	0.469	11.9	136
64431034	10	0.598	15.2	210

item no.	no. of triads	nominal outer-ø inch ±10%	nominal outer-ø mm ±10%	cable weight ≈lbs/mft
► 20 AWG (≈ 16/32) ▪ 0.50 mm²				
64430250	2	0.354	9.0	71
64430450	4	0.421	10.7	108
64430750	7	0.520	13.2	171
64431050	10	0.665	16.9	263
► 19 AWG (≈ 23/32) ▪ 0.75 mm²				
64430275	2	0.409	10.4	97
64430475	4	0.496	12.6	150
64430775	7	0.598	15.2	235
64431075	10	0.760	19.3	339

Other dimensions and colors are available on request



Possible on request:

- bare copper strands
- alternative color code and jacket color