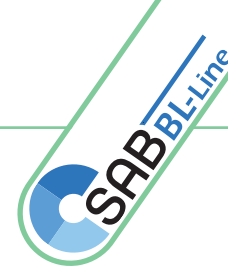


Halogen-free Cables

SABIX® BL 415 C FRNC

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



16 x 0.5mm² 60332-3-22 - 350V DNV CE

DNV CE



Marking for SABIX® BL 415 C FRNC 64150550:

SAB BRÖCKSKES · D-VIERSEN · SABIX® BL 415 C FRNC 5 x 0.5mm² - IEC 60332-3-22 - 350V DNV CE and current meter marking

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 page O/26
Stranding:	in layers
Wrapping:	PETP 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>flexible 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

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



Possible on request:

- bare copper strands
- alternative color code and jacket color

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item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm²				
64150214	2	0.161	4.1	17
64150314	3	0.169	4.3	19
64150414	4	0.181	4.6	24
64150514	5	0.197	5.0	27
64150614	6	0.209	5.3	29
64150714	7	0.209	5.3	30
64150814	8	0.244	6.2	38
64151214	12	0.268	6.8	47
64151614	16	0.295	7.5	57
▶ 24 AWG (≈ 14/34) • 0.25 mm²				
64150225	2	0.173	4.4	22
64150325	3	0.181	4.6	24
64150425	4	0.197	5.0	28
64150525	5	0.213	5.4	33
64150625	6	0.228	5.8	36
64150725	7	0.228	5.8	38
64150825	8	0.264	6.7	48
64151225	12	0.295	7.5	60
64151625	16	0.339	8.6	79

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 22 AWG (≈ 7/30) • 1.00 mm²				
64150234	2	0.189	4.8	25
64150334	3	0.201	5.1	28
64150434	4	0.217	5.5	34
64150534	5	0.240	6.1	41
64150634	6	0.260	6.6	48
64150734	7	0.260	6.6	50
64150834	8	0.295	7.5	59
64151234	12	0.343	8.7	81
64151634	16	0.374	9.5	100
▶ 20 AWG (≈ 16/32) • 0.50 mm²				
64150250	2	0.205	5.2	29
64150350	3	0.217	5.5	35
64150450	4	0.240	6.1	43
64150550	5	0.260	6.6	52
64150650	6	0.283	7.2	57
64150750	7	0.283	7.2	60
64150850	8	0.339	8.6	78
64151250	12	0.374	9.5	102
64151650	16	0.421	10.7	135

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 19 AWG (≈ 23/32) • 0.75 mm²				
64150275	2	0.224	5.7	35
64150375	3	0.244	6.2	44
64150475	4	0.264	6.7	52
64150575	5	0.287	7.3	62
64150675	6	0.311	7.9	71
64150775	7	0.311	7.9	77
64150875	8	0.366	9.3	95
64151275	12	0.425	10.8	130
64151675	16	0.465	11.8	166

Other dimensions and colors are available on request