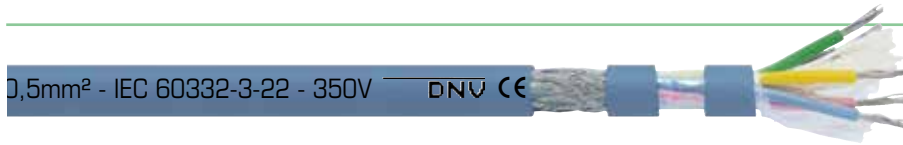


Halogen-free Cables

SABIX® BL 415 C FRNC

flexible data cable with overall copper screen



marking example:

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®
Colour code:	with reference to DIN 47100
Stranding:	in layers
Wrapping:	foil
Screen:	tinned copper braiding
Sheath material:	special SABIX® SHF 1 compound acc. to IEC 60092-360
Sheath colour:	pigeon blue (RAL 5014)

Outstanding features:

- » halogen-free
- » 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
- » PFAS free

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 IEC 60754-1 + VDE 0482-754-1
Fire performance:	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
Corrosiveness of conflagration gases:	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
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	no. of cores x cross section n x mm²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
64150214	2 x 0,14	4,1	13,0	25
64150314	3 x 0,14	4,3	14,4	29
64150414	4 x 0,14	4,6	19,3	35
64150514	5 x 0,14	5,0	20,7	40
64150614	6 x 0,14	5,3	22,2	43
64150714	7 x 0,14	5,3	23,5	45
64150814	8 x 0,14	6,2	28,4	57
64151214	12 x 0,14	6,8	35,8	70
64151614	16 x 0,14	7,5	43,0	85
64150225	2 x 0,25	4,4	18,6	32
64150325	3 x 0,25	4,6	21,1	36
64150425	4 x 0,25	5,0	23,6	41
64150525	5 x 0,25	5,4	27,9	49
64150625	6 x 0,25	5,8	30,5	54
64150725	7 x 0,25	5,8	32,9	57
64150825	8 x 0,25	6,7	38,8	71
64151225	12 x 0,25	7,5	50,3	89
64151625	16 x 0,25	8,6	62,2	118
64150234	2 x 0,34	4,8	20,5	37
64150334	3 x 0,34	5,1	23,8	42
64150434	4 x 0,34	5,5	29,0	50
64150534	5 x 0,34	6,1	32,4	61
64150634	6 x 0,34	6,6	39,1	71

item no.	no. of cores x cross section n x mm²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
64150734	7 x 0,34	6,6	42,4	75
64150834	8 x 0,34	7,5	47,6	88
64151234	12 x 0,34	8,7	65,3	121
64151634	16 x 0,34	9,5	81,2	149
64150250	2 x 0,50	5,2	23,7	43
64150350	3 x 0,50	5,5	30,3	52
64150450	4 x 0,50	6,1	35,3	64
64150550	5 x 0,50	6,6	43,5	77
64150650	6 x 0,50	7,2	50,1	85
64150750	7 x 0,50	7,2	54,9	90
64150850	8 x 0,50	8,6	62,2	116
64151250	12 x 0,50	9,5	86,6	152
64151650	16 x 0,50	10,7	124,5	201
64150275	2 x 0,75	5,7	30,4	52
64150375	3 x 0,75	6,2	39,2	65
64150475	4 x 0,75	6,7	48,4	78
64150575	5 x 0,75	7,3	57,4	93
64150675	6 x 0,75	7,9	66,9	106
64150775	7 x 0,75	7,9	74,1	114
64150875	8 x 0,75	9,3	83,9	142
64151275	12 x 0,75	10,8	134,2	194
64151675	16 x 0,75	11,8	169,6	247

Other dimensions and colours are possible on request.

Possible on request:

- » bare copper strands
- » alternative colour code
and sheath colour