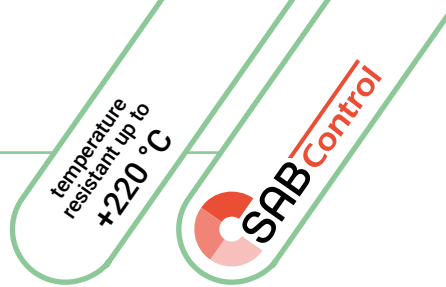


Halogen-free Cables

SABIX® A 100 HT high temperature resistant single conductor with nickel-plated strands
SABIX® A 101 HT high temperature resistant single conductor with silver-plated strands



BRÜCKSKES · D-VIERSEN · SABIX® A 100 HT · 220°C · CE

marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 100 HT · 220°C · CE

Construction:

Conductor: SABIX® A 100 HT:
nickel-plated copper strands
SABIX® A 101 HT:
silver-plated copper strands
fine wires
acc. to IEC 60228, VDE 0295, class 5

Insulation: SABIX®

Colour code: see table*

Outstanding features:

- » halogen-free
- » high temperature resistant
- » flexible
- » SABIX® A 101 HT: good solderability

Technical Data:

Nominal voltage: Uo/U 300/500 V

Testing voltage: 2000 V

Min. bending radius 7,5 x d
for one single bend: 5 x d

Temperature range
fixed laying: -40/+220 °C
flexible application: -25/+220 °C

Halogen-free: acc. to IEC 60754-1 + VDE 0482-754-1

Fire performance: 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

Absence of harmful substances: acc. to RoHS directive of the European Union, see chapter N „Technical data“

SABIX® A 100 HT

item no.	nominal cross-section mm ²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
7100 .. 25*	0,25	0,16	2,3	2,4	7
7100 .. 34*	0,34	0,16	2,4	3,3	8
7100 .. 50*	0,50	0,21	2,5	4,8	10
7100 .. 75*	0,75	0,21	2,8	7,2	13
7100 .. 80*	1,00	0,21	2,9	9,6	15
7100 .. 82*	1,50	0,26	3,4	14,4	21
7100 .. 84*	2,50	0,26	4,0	24,0	32
7100 .. 86*	4,00	0,31	4,6	38,4	48
7100 .. 87*	6,00	0,31	5,1	57,6	67
7100 .. 88*	10,00	0,41	7,4	96,0	121
7100 .. 89*	16,00	0,41	8,4	153,6	176
7100 .. 90*	25,00	0,41	10,3	240,0	283
7100 .. 91*	35,00	0,41	11,5	336,0	385
7100 .. 92*	50,00	0,41	14,2	480,0	549
7100 .. 93*	70,00	0,41	15,2	672,0	736
7100 .. 94*	95,00	0,51	18,6	912,0	1009
7100 .. 95*	120,00	0,51	20,1	1152,0	1214
7100 .. 96*	150,00	0,51	22,2	1440,0	1511
7100 .. 97*	185,00	0,51	23,6	1776,0	1827
7100 .. 98*	240,00	0,51	27,3	2304,0	2457
7100 .. 99*	300,00	0,51	30,4	2880,0	3062

Other dimensions and colours are possible on request.

SABIX® A 101 HT

item no.	nominal cross-section mm ²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
7101 .. 25*	0,25	0,16	2,3	2,4	7
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7101 .. 99*	300,00	0,51	30,4	2880,0	3062

Other dimensions and colours are possible on request.

* Colour code for single conductors, position 5 and 6 of the item no.:

- | | |
|-------------|-------------------|
| 01 = black | 07 = violet |
| 02 = blue | 08 = white |
| 03 = brown | 09 = orange |
| 04 = grey | 11 = red |
| 05 = yellow | 16 = gentian blue |
| 06 = green | 27 = green-yellow |