

temperature resistant up to +220°C

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



BRÖCKSKES · D-VIERSEN · SABIX® A100 HT · 220°C · CE

Marking for SABIX® A 100 HT 71000150:
 SAB BRÖCKSKES · D-VIERSEN · SABIX® A100 HT · 220°C · CE

SABIX® A 100 HT / SABIX® A 101 HT is a halogen free single conductor. This cable is especially made for use for internal wiring at high ambient temperatures in protected rooms. With the special SABIX®-Insulation this cable is useful for temperatures up to 220 °C.

Construction:

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

Insulation: SABIX® 722

Color code: colored

Technical data:

Nominal voltage: U₀/U 300/500 V

Testing voltage: 2000 V

Min. bending radius: 7.5 x O.D.
For one single bend: 5 x O.D.

Temperature range
fixed installation: -40/+220 °C
flexing: -25/+220 °C

Zero halogen: acc. to DIN VDE 0472 part 815 and IEC 60754-1

Burning characteristics: flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2

Corrosivity: in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases

Absence of harmful substances: acc. to RoHS directive of the European Union see page N/28

Outstanding features:

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

SABIX® A 100 HT

item no.	mm ²	AWG MCM	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 7100 .. 25*	0.25	24 (≈ 14/34)	0.091	2.3	5
▶ 7100 .. 34*	0.34	22 (≈ 7/30)	0.094	2.4	5
▶ 7100 .. 50*	0.50	20 (≈ 16/32)	0.098	2.5	7
▶ 7100 .. 75*	0.75	19 (≈ 23/32)	0.110	2.8	9
▶ 7100 .. 80*	1.00	18 (≈ 30/32)	0.114	2.9	10
▶ 7100 .. 82*	1.50	16 (≈ 27-29/30)	0.134	3.4	14
▶ 7100 .. 84*	2.50	14 (≈ 46/30)	0.157	4.0	22
▶ 7100 .. 86*	4.00	12 (≈ 52/28)	0.181	4.6	32
▶ 7100 .. 87*	6.00	10 (≈ 78/28)	0.201	5.1	45
▶ 7100 .. 88*	10.0	8 (≈ 77/26)	0.291	7.4	81
▶ 7100 .. 89*	16.0	6 (≈ 122/26)	0.331	8.4	118
▶ 7100 .. 90*	25.0	4 (≈ 190/26)	0.406	10.3	190
▶ 7100 .. 91*	35.0	2 (≈ 272/26)	0.453	11.5	259
▶ 7100 .. 92*	50.0	1 (≈ 400/26)	0.559	14.2	369
▶ 7100 .. 93*	70.0	2/0 (≈ 543/26)	0.598	15.2	495
▶ 7100 .. 94*	95.0	3/0 (≈ 484/24)	0.732	18.6	678
▶ 7100 .. 95*	120.0	4/0 (≈ 589/24)	0.791	20.1	816
▶ 7100 .. 96*	150.0	250 (≈ 740/24)	0.874	22.2	1015
▶ 7100 .. 97*	185.0	350 (≈ 902/24)	0.929	23.6	1228
▶ 7100 .. 98*	240.0	450 (≈ 1220/24)	1.075	27.3	1651
▶ 7100 .. 99*	300.0	550 (≈ 1525/24)	1.197	30.4	2058

Other dimensions and colors are possible on request.

SABIX® A 101 HT

item no.	mm ²	AWG MCM	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 7101 .. 25*	0.25	24 (≈ 14/34)	0.091	2.3	5
▶ 7101 .. 34*	0.34	22 (≈ 7/30)	0.094	2.4	5
▶ 7101 .. 50*	0.50	20 (≈ 16/32)	0.098	2.5	7
▶ 7101 .. 75*	0.75	19 (≈ 23/32)	0.110	2.8	9
▶ 7101 .. 80*	1.00	18 (≈ 30/32)	0.114	2.9	10
▶ 7101 .. 82*	1.50	16 (≈ 27-29/30)	0.134	3.4	14
▶ 7101 .. 84*	2.50	14 (≈ 46/30)	0.157	4.0	22
▶ 7101 .. 86*	4.00	12 (≈ 52/28)	0.181	4.6	32
▶ 7101 .. 87*	6.00	10 (≈ 78/28)	0.201	5.1	45
▶ 7101 .. 88*	10.0	8 (≈ 77/26)	0.291	7.4	81
▶ 7101 .. 89*	16.0	6 (≈ 122/26)	0.331	8.4	118
▶ 7101 .. 90*	25.0	4 (≈ 190/26)	0.406	10.3	190
▶ 7101 .. 91*	35.0	2 (≈ 272/26)	0.453	11.5	259
▶ 7101 .. 92*	50.0	1 (≈ 400/26)	0.559	14.2	369
▶ 7101 .. 93*	70.0	2/0 (≈ 543/26)	0.598	15.2	495
▶ 7101 .. 94*	95.0	3/0 (≈ 484/24)	0.732	18.6	678
▶ 7101 .. 95*	120.0	4/0 (≈ 589/24)	0.791	20.1	816
▶ 7101 .. 96*	150.0	250 (≈ 740/24)	0.874	22.2	1015
▶ 7101 .. 97*	185.0	350 (≈ 902/24)	0.929	23.6	1228
▶ 7101 .. 98*	240.0	450 (≈ 1220/24)	1.075	27.3	1651
▶ 7101 .. 99*	300.0	550 (≈ 1525/24)	1.197	30.4	2058

Other dimensions and colors are possible on request.

*** Color code for single conductors:**

- | | |
|-------------|-------------------|
| 01 = black | 06 = green |
| 02 = blue | 07 = violet |
| 03 = brown | 08 = white |
| 04 = gray | 16 = gentian blue |
| 05 = yellow | 27 = green-yellow |

E-mail: info@sabcable.com



Web site: www.sabcable.com

K
16