

# Halogen-free Cables

## SABIX® A 100 HT

High temperature resistant single conductor wire with nickel-plated strands

## SABIX® A 101 HT

High temperature resistant single conductor wire with silver-plated strands



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

Marking for SABIX® A 100 HT 71000150:

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

### Construction:

<b>Conductor:</b>	<b>SABIX® A 100 HT:</b> nickel-plated copper strands <b>SABIX® A 101 HT:</b> silver-plated copper strands  fine wires acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX®
<b>Color code:</b>	colored, see table below

### Outstanding features:

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

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V
<b>Testing voltage:</b>	2000 V
<b>Min. bending radius: For one single bend:</b>	7.5 x O.D. 5 x O.D.
<b>Temperature range:</b> <i>static:</i> <i>flexible:</i>	-40/+220°C -25/+220°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosivity:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Approvals:</b>	CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

### SABIX® A 100 HT

item no.	mm <sup>2</sup>	AWG MCM	nominal outer-ø		cable weight ≈lbs/mft
			inch ±5%	mm ±5%	
▶ 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	2057

Other dimensions and colors are available on request

### SABIX® A 101 HT

item no.	mm <sup>2</sup>	AWG MCM	nominal outer-ø		cable weight ≈lbs/mft
			inch ±5%	mm ±5%	
▶ 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	2057

Other dimensions and colors are available on request

#### Color code for single conductors:

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



temperature resistant  
up to +220°C