

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:

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®
Color code:	colored, see table below

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: For one single bend:	7.5 x O.D. 5 x O.D.
Temperature range: <i>static:</i> <i>flexible:</i>	-40/+220°C -25/+220°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	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
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

SABIX® A 100 HT

item no.	mm ²	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

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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