

# HALOGEN-FREE CABLES

**SABIX® A 147 FRNC** Wiring cable 600 V  
**SABIX® A 157 FRNC** Wiring cable 1000V



Marking for SABIX® A 147 FRNC 61470150:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 147 FRNC 300/500V 0,5 mm² 20 AWG AWM Style 10528 75°C 600V E172204 CE

SABIX® A 147 FRNC / SABIX® A 157 FRNC is a halogen free, UL approved single conductor for use in control cabinets, appliances and communication technologies, household appliances, generators and transformers, machine construction, railway technologies and other specific technologies. This cable is particularly suitable for use where human life and valuable property are exposed to a extremely high risk of fire.

## Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX® FRNC
<b>Color code:</b>	colored

## Technical data:

<b>Voltage UL:</b>	<b>SABIX® A147 FRNC:</b> 20 - 18 AWG: 600 V <b>SABIX® A157 FRNC:</b> 16 AWG - 550 MCM: 1000 V
<b>Nominal voltage Uo/U:</b>	<b>SABIX® A147 FRNC:</b> 20 - 18 AWG: 300/500 V <b>SABIX® A157 FRNC:</b> 16 AWG - 550 MCM: 450/750 V
<b>Min. bending radius:</b> <b>For one single bend:</b>	7.5 x O.D. 5 x O.D.
<b>Temperature range</b> <i>fixed installation:</i> <i>flexing:</i>	<b>DIN/VDE:</b> -40/+90 °C -30/+90 °C <b>UL:</b> up to +75 °C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Burning characteristics:</b>	no flame propagation acc. to IEC 60332 + EN 50266 cat. C resp. D. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
<b>Corrosivity:</b>	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + EN 61034
<b>Flexibility:</b>	good
<b>Weather resistance:</b>	good
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

## Outstanding features:

- halogen-free
- no flame propagation
- flame retardant and self-extinguishing
- approval for US-market

## SABIX® A 147 FRNC

item no.	mm²	AWG MCM	nominal outer- inch	outer- mm	cable weight ≈ lbs/mft
▶ 6147 .. 50*	0.50	20 (15/32)	0.083	2.1	6
▶ 6147 .. 75*	0.75	19 (23/32)	0.094	2.4	8
▶ 6147 .. 80*	1.00	18 (30/32)	0.098	2.5	10

Other dimensions and colors are possible on request.

## SABIX® A 157 FRNC

item no.	mm²	AWG MCM	nominal outer- inch	outer- mm	cable weight ≈ lbs/mft
▶ 6157 .. 82*	1.50	16 (27/30)	0.118	3.0	13
▶ 6157 .. 84*	2.50	14 (46/30)	0.142	3.6	22
▶ 6157 .. 86*	4.00	12 (52/28)	0.165	4.2	32
▶ 6157 .. 87*	6.00	10 (70/20)	0.185	4.7	45
▶ 6157 .. 88*	10.00	8 (77/26)	0.248	6.3	79
▶ 6157 .. 89*	16.00	6 (119/26)	0.315	8.0	122
▶ 6157 .. 90*	25.00	4 (196/26)	0.390	9.9	196
▶ 6157 .. 91*	35.00	2 (280/26)	0.437	11.1	265
▶ 6157 .. 92*	50.00	1 (400/26)	0.543	13.8	378
▶ 6157 .. 93*	70.00	2/0 (554/26)	0.583	14.8	505
▶ 6157 .. 94*	95.00	3/0 (484/24)	0.717	18.2	695
▶ 6157 .. 95*	120.00	4/0 (589/24)	0.776	19.7	834
▶ 6157 .. 96*	150.00	250 MCM (740/24)	0.858	21.8	1038
▶ 6157 .. 97*	185.00	350 MCM (899/24)	0.913	23.2	1254
▶ 6157 .. 98*	240.00	450 MCM (1220/24)	1.059	26.9	1685
▶ 6157 .. 99*	300.00	550 MCM (1525/24)	1.181	30.0	2100

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](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)