

HALOGEN-FREE CABLES

On request
with tinned
copper strands

SABIX® A 156 FRNC Wiring cable with improved fire performance and extended temperature range 450/750 V



Marking for SABIX® A 156 FRNC 61560382:
SAB BRÖCKSKES · D-VIERSEN · SABIX® A 156 FRNC 450/750 V 1,5 mm² CE

SABIX® A 156 FRNC is a halogen free 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 an extremely high risk of fire.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	SABIX® FRNC
Color code:	colored

Outstanding features:

- ▶ halogen-free
- ▶ no flame propagation
- ▶ flame retardant and self-extinguishing
- ▶ very good stripping
- ▶ flexible

Technical data:

Nominal voltage:	Uo/U 450/750 V
Testing voltage:	2500 V
Min. bending radius:	7.5 x O.D.
For one single bend:	5 x O.D.
Temperature range	
<i>fixed installation:</i>	-40/+90 °C
<i>flexing:</i>	-30/+90 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	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
Corrosivity:	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + EN 61034
Flexibility:	good
Weather resistance:	good
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	mm²	AWG MCM	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 6156 .. 82*	1.50	16	0.118	3.0	13
▶ 6156 .. 84*	2.50	14	0.142	3.6	22
▶ 6156 .. 86*	4.00	12	0.165	4.2	32
▶ 6156 .. 87*	6.00	10	0.185	4.7	45
▶ 6156 .. 88*	10.00	8	0.248	6.3	79
▶ 6156 .. 89*	16.00	6	0.315	8.0	122
▶ 6156 .. 90*	25.00	4	0.390	9.9	196
▶ 6156 .. 91*	35.00	2	0.437	11.1	265
▶ 6156 .. 92*	50.00	1	0.496	12.6	378
▶ 6156 .. 93*	70.00	2/0	0.583	14.8	505
▶ 6156 .. 94*	95.00	3/0	0.717	18.2	695
▶ 6156 .. 95*	120.00	4/0	0.776	19.7	834
▶ 6156 .. 96*	150.00	250	0.858	21.8	1038
▶ 6156 .. 97*	185.00	350	0.913	23.2	1254
▶ 6156 .. 98*	240.00	450	1.059	26.9	1685
▶ 6156 .. 99*	300.00	550	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

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Web site: www.sabcable.com