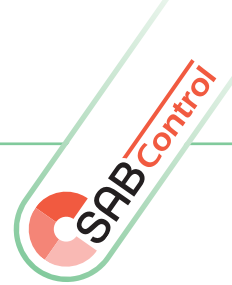


Halogen-free Cables

SABIX® A 146 S wiring cable with improved fire performance 300/500 V

SABIX® A 146 FRNC wiring cable with improved fire performance and extended temperature range 300/500 V



BRÖCKSKES · D-VIERSEN · SABIX® A 146 S 300/500 V 0,5 mm² CE

Marking for SABIX® A 146 S 81460150:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 146 S 300/500 V 0,5 mm² CE

A
12

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation	SABIX®
Colour code:	see table*

Outstanding features:



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

Technical Data:

Nominal voltage:	U ₀ /U 300/500 V	
Testing voltage:	2000 V	
Min. bending radius:	7,5 x d	
For one single bend:	5 x d	
Temperature range	SABIX® A 146 S:	SABIX® A 146 FRNC:
<i>fixed laying:</i>	-30/+70 °C	-40/+90 °C
<i>flexible application:</i>	-20/+70 °C	-30/+90 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	
Fire performance:	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 cat. C resp. D, see chapter N „Technical Data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	
Smoke density:	acc. to IEC 61034 + VDE 0482-1034	
Flexibility:	good	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical Data“	

SABIX® A 146 S

item no.	nominal cross-section mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
8146 .. 50*	0,50	0,21	2,1	4,8	10
8146 .. 75*	0,75	0,21	2,4	7,2	13
8146 .. 80*	1,00	0,21	2,5	9,6	15

Other dimensions and colours are possible on request.

SABIX® A 146 FRNC

item no.	nominal cross-section mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
6146 .. 50*	0,50	0,21	2,1	4,8	9
6146 .. 75*	0,75	0,21	2,4	7,2	12
6146 .. 80*	1,00	0,21	2,5	9,6	14

Other dimensions and colours are possible on request.

* Colour code for single conductors, position 5 and 6 of the item no.:

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



On request with
tinned copper strands