



SABIX® A 146 S Wiring cable 300/500 V

SABIX® A 146 FRNC Wiring cable with extended temperature range 300/500V



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

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Construction:

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

Outstanding features:

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

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 DIN VDE 0472 part 815 + IEC 60754-1	
Fire performance:	no flame propagation acc. to IEC 60332 + EN 60332 cat. C resp. D (see page N/19). Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2	
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + 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:	SABIX® A 146 FRNC: good	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17	

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

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6146 .. 75*	0,75	0,21	2,4	7,2	12
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* Colour code for single conductors:

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



On request with tinned copper strands