

Construction with reference to EN 50306

# HALOGEN-FREE CABLES

Classification of smoke density acc. to NF F 16-101



## SABIX® A 871 TW "Thin-wall" connection and data cable



BRÖCKSKES · D-VIERSEN · SABIX® A 871 TWÖ 18 x 0,75 mm² CE



Marking for SABIX® A 871 TW 68711807:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 871 TWÖ 18 x 0,75 mm² CE

SABIX® A 871 TW is a very flexible UL approved halogen free connection and data cable. The cable is designed for use in transportation vehicles and locomotives. The "thin-wall" outer jacket guarantees a high installation standard. In case of fire no corrosive gases are produced. 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 fine wires acc. to. EN 50306-2
<b>Insulation :</b>	SABIX® 960
<b>Color code:</b>	white conductors with black numbers acc. to. EN 50334
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	SABIX® 280
<b>Jacket color:</b>	black

### Outstanding features:

- very flexible
- halogen-free
- oil resistant
- flame retardant and self-extinguishing
- classification of smoke density acc. to NF F 16-101
- thin-walled
- high installation comfort

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V
<b>Testing voltage:</b>	2000 V
<b>Min. bending radius</b>	
fixed laying:	5 x d
flexible application:	10 x d
<b>Temperature range</b>	
fixed laying:	-40/+105°C
flexible application:	-25/+105°C
<b>Halogen-free:</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 resp. EN 50305. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
<b>Corrosiveness of conflagration gases:</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 + index of smoke density acc. to NF F 16-101
<b>Ozone resistance:</b>	acc. to VDE 0282 part 2
<b>Flexibility:</b>	very 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

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 19 AWG (23/32) • 0.75 mm <sup>2</sup>				
68710207	2	0.185	4.7	24
68710407	4	0.209	5.3	34
68711007	10	0.331	8.4	78
68711807	18	0.402	10.2	130
▶ 18 AWG (30/32) • 1.00 mm <sup>2</sup>				
68710210	2	0.197	5.0	28
68710310	3	0.205	5.2	34
68710410	4	0.224	5.7	41
68711010	10	0.354	9.0	94
68712510	25	0.504	12.8	207

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (27-29/30) • 1.50 mm <sup>2</sup>				
68710515	5	0.295	7.5	76
68710715	7	0.323	8.2	99
▶ 14 AWG (46/36) • 2.50 mm <sup>2</sup>				
68710325	3	0.283	7.2	72

Other dimensions and colors are possible on request.

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**Especially for use in rail vehicles**

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