

Construction
with reference to
EN 50306

HALOGEN-FREE CABLES

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

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



BRÖCKSKES · D-VIERSEN · SABIX® A 871 TWÖ 18 x 0.75 mm²

Marking for SABIX® A 871 TWÖ 68711807:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 871 TWÖ 18 x 0.75 mm² CE

SABIX® A 871 TWÖ is a very flexible halogen-free connection and data cable. The cable is designed for use in transportation vehicles and locomotives. The "thin-wall" outer jacket guarantees easier installation. 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 an extremely high risk of fire.

Construction:

Conductor:	tinned copper strands fine wires acc. to EN 50306-2
Insulation :	special SABIX®
Color code:	white conductors with black numbers acc. to EN 50334
Stranding:	in layers
Jacket material:	special SABIX®
Jacket color:	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
- easy installation

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	2000 V
Min. bending radius	
<i>fixed laying:</i>	5 x O. D.
<i>flexible application:</i>	10 x O. D.
Temperature range	
<i>fixed laying:</i>	-40/+105°C
<i>flexible application:</i>	-25/+105°C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	No flame propagation acc. to IEC 60332 + EN 60332 resp. EN 50305. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + 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 + index of smoke density acc. to NF F 16-101
Ozone resistance:	acc. to VDE 0282 part 2
Flexibility:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ ≈ 19 AWG • 0.75 mm²				
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 • 1.00 mm²				
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 • 1.50 mm²				
68710515	5	0.295	7.5	76
68710715	7	0.323	8.2	99
▶ ≈ 14 AWG • 2.50 mm²				
68710325	3	0.283	7.2	72

Other dimensions and colors are possible on request.



Especially
for use in
rail vehicles.

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