

Construction
with reference to
EN 50306

HALOGEN-FREE CABLES

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



SABIX® A 876 C TW TP Paired "Thin-wall" connection and data cable with overall copper screen



Marking for SABIX® A 876 C TW TP 68760307:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 876 C TW TP 3 x 2 x 0,75 mm² CE

SABIX® A 876 C TW TP is a very flexible UL approved halogen free tinned copper shielded data cable, consisting of twisted pairs. The cable is designed for use in transportation vehicles and locomotives. The "thin-wall" outer jacket guarantees a high installation standard. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. 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:

Conductor:	tinned copper strands fine wires acc. to. EN 50306-2
Insulation :	SABIX® 960
Color code:	white conductors with black numbers acc. to. EN 50334
Stranding:	pairwise, pairs in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding
Jacket material:	SABIX® 280
Jacket color:	black

Outstanding features:

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

* Copper braiding should be connected circularly to optimize the EMC characteristics

Technical data:

Nominal voltage:	U _o /U 300/500 V
Testing voltage:	2000 V
Min. bending radius	
fixed laying:	5 x d
flexible application:	10 x d
Temperature range	
fixed laying:	-40/+105°C
flexible application:	-25/+105°C
Halogen-free:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	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
Corrosiveness of conflagration gases:	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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of pairs	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
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▶ 20 AWG (15/32) • 0.50 mm²

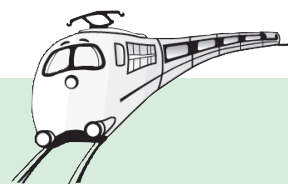
68760305	3	0.291	7.4	50
68760405	4	0.331	8.4	62

▶ 19 AWG (23/32) • 0.75 mm²

68760207	2	0.280	7.1	49
68760307	3	0.319	8.1	64

Other dimensions and colors are possible on request.

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Especially
for use in
rail vehicles

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