

tested
acc. to NF F 16-101
and DIN 5510-2

HALOGEN-FREE CABLES

up to
+125°C

SABIX® A 285 FRNC X Control cable with numbered conductors and overall copper screen



D-VIERSEN · SABIX® A 285 FRNC X 5 x 0,5 mm²

Marking for SABIX® A 285 FRNC X 628500505:
SAB BRÖCKSKES · D-VIERSEN · SABIX® A 285 FRNC X 5 x 0,5 mm² CE

Our control cable SABIX® A 285 FRNC X with overall copper screen fulfill the requirements of NF F 16-101 and have proven durable in practice. For this cable also the exacting requirements have been confirmed in accordance with DIN 5510-2.

Construction:

Conductor:	tinned copper strands fine wires acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	special SABIX®
Color code:	white conductors with black numbers acc. to. EN 50334
Stranding:	in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding
Jacket material:	special SABIX®
Sheath color:	black

Outstanding features:

- halogen-free
- good EMC characteristics*
- no flame propagation
- flame retardant and self-extinguishing
- good ozone resistance
- good oil and chemical resistance
- acc. to NF F 16-101
- fulfills fire protection level 1 - 4
acc. to DIN 5510-1

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

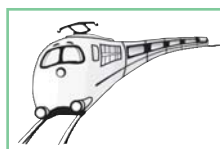
Technical data:

Nominal voltage:	U _o /U 300/500 V
Testing voltage:	2000 V
Min. bending radius:	10 x O. D.
Temperature range during protected, fixed laying:	-40/+125 °C
Zero halogen:	acc. to EN 50306-1 + EN 50264-1 are fulfilled. Development of HCl is < 0,5% acc. to EN 50267-2-1. pH-value is > 4,3 acc. to EN 50267-2-2. Conductivity is < 10,0 µS/mm acc. to EN 50267-2-2. Fluoric content < 0,1% acc. to EN 60684-2.
Burning characteristics:	nach NF C 32-070 C1. For cable diameter ≥ 12 mm: no flame propagation acc. to EN 50266-2-4. For cable diameter > 6 mm < 12 mm: no flame propagation acc. to EN 50266-2-5 For cable diameter ≤ 6 mm: no flame propagation acc. to EN 50266-2-5 with configuration acc. to EN 50306-1 resp. EN 50264-1. Flame retardant and self-extinguishing acc. to EN 60332-1-2.
Toxicity:	acc. to DIN EN 50305
Smoke density:	acc. to IEC 61034 + EN 61034
Smoke gas index:	NF F 16-101 < 20 class F1
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	ohmic resistance at 20°C max. Ω/km	heating value approx. kWh/km
▶ 20 AWG (≈ 16/32) • 0.50 mm²						
62850305	3	0.205	5.2	30	40.1	99
62850505	5	0.248	6.3	46	40.1	154
62850805	8	0.311	7.9	65	40.1	237
62851005	10	0.339	8.6	77	40.1	258
62851205	12	0.350	8.9	85	40.1	288

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	ohmic resistance at 20°C max. Ω/km	heating value approx. kWh/km
▶ 19 AWG (≈ 23/32) • 0.75 mm²						
62850607	6	0.303	7.7	68	26.7	231
62850807	8	0.358	9.1	89	26.7	305
62851007	10	0.409	10.4	116	26.7	381
▶ 18 AWG (≈ 30/32) • 1.00 mm²						
62850310	3	0.244	6.2	44	20.0	155
62850610	6	0.323	8.2	84	20.0	285
62850810	8	0.386	9.8	108	20.0	366
62851010	10	0.425	10.8	134	20.0	401

Other dimensions and colors are possible on request.



**Especially
for use in
rail vehicles**

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