

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



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

A
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Construction:

Conductor:	tinned copper strands fine wires acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	special SABIX®
Colour code:	white cores with black numbers acc. to. EN 50334
Stranding:	in layers
Wrapping:	foil
Screen:	tinned copper braiding
Sheath material:	special SABIX®
Sheath colour:	black (RAL 9005)

Outstanding features:

- halogen-free
- good EMC characteristics*
- no flame propagation
- flame retardant and self-extinguishing
- good ozone resistance
- good oil and chemical resistance
- fulfils fire protection requirements R15 (EL1A)
acc. to EN 45545-2
for hazard levels HL1-3
- EAC approval

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

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	2000 V
Min. bending radius:	10 x d
Temperature range during protected, fixed laying:	-50/+125 °C
Halogen-free:	acc. to EN 50306-1 + EN 50264-1 are fulfilled. Development of HCl is < 0,5% acc. to DIN EN 50267-2-1. pH-value is > 4,3 acc. to DIN EN 50267-2-2. Conductivity is < 10,0 µS/mm acc. to DIN EN 50267-2-2. Fluoric content < 0,1% acc. to DIN EN 60684-2
Fire performance:	No flame propagation acc. to DIN EN 60332-3-24, DIN EN 60332-3-25 + DIN EN 50305 section 9.1.2. Flame retardant and self-extinguishing acc. to DIN EN 60332-1-2
Toxicity:	acc. to DIN EN 50305
Smoke density:	acc. to DIN EN 61034
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

item no.	no. of cores x cross section	largest single wire	outer-ø ± 5%	copper figure	cable weight	ohmic resistance at 20°C max. Ω/km	heating value approx. kWh/km
	n x mm ²	ø mm	mm	kg/km	≈ kg/km		
62850305	3 x 0,50	0,21	5,2	30,3	45	40,1	99
62850505	5 x 0,50	0,21	6,3	43,5	68	40,1	154
62850805	8 x 0,50	0,21	7,9	62,2	97	40,1	237
62851005	10 x 0,50	0,21	8,6	74,3	114	40,1	258
62851205	12 x 0,50	0,21	8,9	86,6	127	40,1	288
62850607	6 x 0,75	0,21	7,7	67,0	101	26,7	231
62850807	8 x 0,75	0,21	9,1	86,6	132	26,7	305
62851007	10 x 0,75	0,21	10,4	119,7	172	26,7	381
62850310	3 x 1,00	0,21	6,2	46,5	66	20,0	155
62850610	6 x 1,00	0,21	8,2	83,7	125	20,0	285
62850810	8 x 1,00	0,21	9,8	106,0	160	20,0	366
62851010	10 x 1,00	0,21	10,8	149,9	200	20,0	401

Other dimensions and colours are possible on request.



Especially for use
in rail vehicles