

Halogen-free Cables

SABIX® A 285 FRNC X

control cable with numbered cores and overall copper screen, cross linked type

EN 45545-2

up to +125 °C



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



Marking for SABIX® A 285 FRNC X 62850505:

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

A
46

Construction:

Conductor:	tinned copper strands fine wires acc. to IEC 60228, VDE 0295, class 5
Insulation:	special SABIX®
Colour code:	white cores with consecutive numbers acc. to EN 50334 + VDE 0293-334
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

Technical Data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	core/core 2000 V core/screen 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 IEC 60754-1. pH-value is > 4,3 acc. to IEC 60754-2. Conductivity is < 10,0 µS/mm acc. to IEC 60754-2. Fluoric content < 0,1% acc. to IEC 60684-2
Fire performance:	No flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 and EN 50305 + VDE 0260-305 section 9.1.2. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Toxicity:	acc. to EN 50305 + VDE 0260-305
Smoke density:	acc. to IEC 61034 + VDE 0482-1034
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

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.