

Halogen-free Cables

SABIX® A 280 FRNC X (FR)

fire resistant control cable, cross linked type

EN 45545-2

IEC 60331-21
EN 50200



BRÜCKSKES · D-VIERSEN · SABIX® A 280 FRNC X (FR) 5 x 0,5 mm² CE



Marking for SABIX® A 280 FRNC X (FR) 62809505:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 280 FRNC X (FR) 5 x 0,5 mm² CE

Construction:

Conductor:	tinned copper strands fine wires
Wrapping:	mica tape
Insulation:	special SABIX®
Colour code:	white cores with consecutive numbers acc. to EN 50334 + VDE 0293-334
Stranding:	in layers
Sheath material:	special SABIX®
Sheath colour:	black (RAL 9005)

Outstanding features:

- halogen-free
- no flame propagation
- fire resistant
- 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
- EN 50200 PH 30 + VDE 0482-200,
IEC 60331-21+ VDE 0482-331-21

Technical Data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	core/core 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
Insulation integrity in case of fire:	EN 50200 PH 30, VDE 0482-200, IEC 60331-21 FE 180 + VDE 0482-331-21
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“

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item no.	no. of cores x cross section n x mm ²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
62809502	2 x 0,50	5,8	9,6	47
62809503	3 x 0,50	6,1	14,4	58
62809504	4 x 0,50	6,7	19,2	65
62809505	5 x 0,50	7,4	24,0	79
62809507	7 x 0,50	8,3	33,6	102
62809510	10 x 0,50	10,9	48,0	151
62809512	12 x 0,50	11,2	57,6	172
62809518	18 x 0,50	13,2	86,4	235
62809525	25 x 0,50	16,2	120,0	333
62809602	2 x 0,75	6,5	14,4	56
62809603	3 x 0,75	6,6	21,6	70
62809604	4 x 0,75	7,2	28,8	80
62809605	5 x 0,75	8,2	36,0	101
62809607	7 x 0,75	8,9	50,4	126
62809608	8 x 0,75	10,7	57,6	171
62809610	10 x 0,75	11,7	72,0	186
62809612	12 x 0,75	12,1	86,4	213
62809618	18 x 0,75	14,6	129,6	311
62809625	25 x 0,75	16,2	180,0	415
62809702	2 x 1,00	6,4	19,2	62
62809703	3 x 1,00	6,8	28,8	78
62809704	4 x 1,00	7,4	38,4	89
62809705	5 x 1,00	8,4	48,0	113
62809707	7 x 1,00	9,2	67,2	143

item no.	no. of cores x cross section n x mm ²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
62809710	10 x 1,00	12,1	96,0	210
62809712	12 x 1,00	12,5	115,2	240
62809718	18 x 1,00	15,1	172,8	353
62809725	25 x 1,00	18,1	240,0	472
62809802	2 x 1,50	7,2	28,8	83
62809803	3 x 1,50	7,7	43,2	107
62809804	4 x 1,50	8,6	57,6	128
62809805	5 x 1,50	9,8	72,0	163
62809807	7 x 1,50	10,7	100,8	207
62809808	8 x 1,50	12,5	115,2	264
62809810	10 x 1,50	13,7	144,0	291
62809812	12 x 1,50	14,6	172,8	351
62809818	18 x 1,50	17,1	259,2	495
62809825	25 x 1,50	21,0	360,0	686
62809902	2 x 2,50	8,6	48,0	121
62809903	3 x 2,50	9,1	72,0	156
62809904	4 x 2,50	10,3	96,0	189
62809905	5 x 2,50	11,4	120,0	230
62809907	7 x 2,50	12,5	168,0	297
62809910	10 x 2,50	16,5	240,0	434
62809912	12 x 2,50	17,0	288,0	498
62809918	18 x 2,50	20,5	432,0	731
62809925	25 x 2,50	25,0	600,0	1015

Other dimensions and colours are possible on request.