

# Halogen-free Cables

## SABIX® A 280 FRNC X

wiring cable / control cable, cross linked type

EN  
45545-2

up to  
+125 °C



BRÖCKSKES · D-VIERSEN · SABIX® A 280 FRNC X 1 x 1,0 mm² CE

Marking for SABIX® A 280 FRNC X 62800110:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 280 FRNC X 1 x 1,0 mm² CE

CKSKES · D-VIERSEN · SABIX® A 280 FRNC X 5 x 0,5 mm² CE

Marking for SABIX® A 280 FRNC X 62800505:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 280 FRNC X 5 x 0,5 mm² CE

Construction:	
<b>Conductor:</b>	tinned copper strands fine wires acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	special SABIX®
<b>Single conductor:</b>	
<b>Colour code:</b>	white (similar RAL 9010)
<b>Multi-core cable:</b>	
<b>Colour code:</b>	white cores with consecutive numbers acc. to EN 50334 + VDE 0293-334
<b>Multi-core cable:</b>	
<b>Stranding:</b>	in layers
<b>Multi-core cable:</b>	
<b>Sheath material:</b>	special SABIX®
<b>Multi-core cable:</b>	
<b>Sheath colour:</b>	black (RAL 9005)

Outstanding features:	
●	halogen-free
●	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:	
<b>Nominal voltage:</b>	Uo/U 300/500 V
<b>Testing voltage:</b>	core/core 2000 V
<b>Min. bending radius:</b>	5 x d
<b>Temperature range</b> <i>during protected, fixed laying:</i>	-40/+125 °C (single conductor) -50/+125 °C (multi-core cable)
<b>Halogen-free:</b>	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
<b>Fire performance:</b>	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
<b>Toxicity:</b>	acc. to EN 50305 + VDE 0260-305
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	no. of cores x cross section n x mm²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance at 20 °C max. Ω/km	heating value approx. kWh/km
62800105	1 x 0,50	0,21	1,7	4,8	7	40,1	13,0
62800305	3 x 0,50	0,21	4,7	14,4	35	40,1	115
62800505	5 x 0,50	0,21	5,8	24,0	50	40,1	170
62800805	8 x 0,50	0,21	7,3	38,4	83	40,1	246
62801005	10 x 0,50	0,21	8,1	48,0	97	40,1	275
62801205	12 x 0,50	0,21	8,4	57,6	112	40,1	306
62800607	6 x 0,75	0,21	7,2	43,2	86	26,7	237
62800807	8 x 0,75	0,21	7,3	57,6	101	26,7	245
62801007	10 x 0,75	0,21	9,4	72,0	133	26,7	345
62800110	1 x 1,00	0,21	2,1	9,6	12	20,0	16,0
62800310	3 x 1,00	0,21	5,5	28,8	55	20,0	162
62800410	4 x 1,00	0,21	6,2	38,4	71	20,0	186
62800610	6 x 1,00	0,21	7,5	57,6	101	20,0	252
62800810	8 x 1,00	0,21	9,0	76,8	135	20,0	338
62801010	10 x 1,00	0,21	10,1	96,0	164	20,0	402
62800115	1 x 1,50	0,21	2,5	14,4	17	13,7	22,5
62800315	3 x 1,50	0,21	6,6	43,2	68	13,7	210
62800125	1 x 2,50	0,26	3,1	24,0	27	8,21	34,0

Other dimensions and colours are possible on request.

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