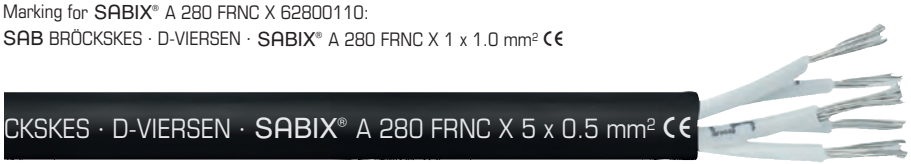
SABIX® A 280 FRNC X

SABIX® Rail - Wiring cable / Control cable with numbered conductors, cross linked

EN 45545-2 · up to +125 °C · SAB Rail

CE EAC RoHS

Marking for SABIX® A 280 FRNC X 62800110:
SAB BRÖCKSKES · D-VIERSEN · SABIX® A 280 FRNC X 1 x 1.0 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:

Conductor:	tinned copper strands fine wires acc. to IEC 60228, VDE 0295, class 5
Insulation:	special SABIX®
Single conductor Color code:	white (similar RAL 9010)
Multi-conductor Color code:	white conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334
Multi-conductor Stranding:	in layers
Multi-conductor Jacket material:	special SABIX®
Multi-conductor Jacket color:	black (RAL 9005)

Outstanding features:

- **low smoke halogen-free (LSHF)**
- **no flame propagation**
- **flame retardant and self-extinguishing**
- **good ozone resistance**
- **good oil and chemical resistance**
- **fulfills fire protection requirements R15 (EL1A) acc. to EN 45545-2 for hazard levels HL1-3**

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	conductor/conductor: 2000 V
Min. bending radius:	5 x O.D.
Temperature range:	
in conduit:	-40/+125°C (single conductor)
fixed installation:	-50/+125°C (multi-conductor cable)
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
Burning characteristics:	No flame propagation acc. to IEC 60332-3-24, IEC 60332-3-25 EN 50305 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
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors	nominal outer-ø inch ±5%	nominal outer-ø mm ±5%	cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km	heating value approx KWh/km
▶ **20 AWG (≈ 16/32) ▪ 0.50 mm²**						
62800105	1	0.067	1.7	5	40.1	13
62800305	3	0.185	4.7	24	40.1	115
62800505	5	0.228	5.8	34	40.1	170
62800805	8	0.287	7.3	56	40.1	246
62801005	10	0.319	8.1	65	40.1	275
62801205	12	0.331	8.4	75	40.1	306
▶ **19 AWG (≈ 23/32) ▪ 0.75 mm²**						
62800607	6	0.283	7.2	58	26.7	237
62800807	8	0.287	7.3	68	26.7	245
62801007	10	0.370	9.4	89	26.7	345

item no.	no. of conductors	nominal outer-ø inch ±5%	nominal outer-ø mm ±5%	cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km	heating value approx KWh/km
▶ **18 AWG (≈ 30/32) ▪ 1.00 mm²**						
62800110	1	0.083	2.1	8	20.0	16
62800310	3	0.217	5.5	37	20.0	162
62800410	4	0.244	6.2	48	20.0	186
62800610	6	0.295	7.5	68	20.0	252
62800810	8	0.354	9.0	91	20.0	338
62801010	10	0.398	10.1	110	20.0	402
▶ **16 AWG (≈ 27-29/30) ▪ 1.50 mm²**						
62800115	1	0.098	2.5	11	13.7	22.5
62800315	3	0.260	6.6	46	13.7	210
▶ **14 AWG (≈ 46/30) ▪ 2.50 mm²**						
62800125	1	0.122	3.1	18	8.21	34

Other dimensions and colors are available on request