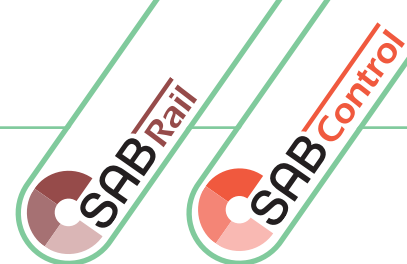


Halogen-free Cables

SABIX® A 156 FRNC

Wiring cable with improved fire performance and extended temperature range, 450/750V



BRÖCKSKES · D-VIERSEN · SABIX® A 156 FRNC 450/750 V 1.5 mm² CE



Marking for SABIX® A 156 FRNC 61560182:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 156 FRNC 450/750 V 1.5 mm² CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
Color code:	colored, see table below

Outstanding features:

- low smoke halogen-free (LSHF)
- no flame propagation
- flame retardant and self-extinguishing
- very good stripping
- flexible
- fulfills fire protection requirements R15 (EL1A)
acc. to EN 45545-2 for hazard levels HL1-3
- flame retardant acc. to UN/ECE R118

Technical data:

Nominal voltage:	Uo/U 450/750 V
Testing voltage:	2500 V
Min. bending radius: For one single bend:	7.5 x O.D. 5 x O.D.
Temperature range: static: flexible:	DIN VDE -40/+90°C -30/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1 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
complementary for rail technology:	
Burning characteristics:	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 Flame retardant acc. to ISO 6722 (UN/ECE R118)
Corrosivity:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + VDE 0482-1034
Flexibility:	good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	mm²	AWG MCM	outer-ø		cable weight ≈lbs/mft
			±10% inch	±10% mm	
▶ 6156 .. 82	1.50	16 (≈ 27-29/30)	0.118	3.0	13
▶ 6156 .. 84	2.50	14 (≈ 46/30)	0.142	3.6	22
▶ 6156 .. 86	4.00	12 (≈ 52/28)	0.165	4.2	32
▶ 6156 .. 87	6.00	10 (≈ 78/28)	0.185	4.7	45
▶ 6156 .. 88	10.00	8 (≈ 77/26)	0.248	6.3	79
▶ 6156 .. 89	16.00	6 (≈ 122/26)	0.315	8.0	122
▶ 6156 .. 90	25.00	4 (≈ 190/26)	0.390	9.9	196
▶ 6156 .. 91	35.00	2 (≈ 272/26)	0.437	11.1	265
▶ 6156 .. 92	50.00	1 (≈ 400/26)	0.496	12.6	378
▶ 6156 .. 93	70.00	2/0 (≈ 543/26)	0.583	14.8	505
▶ 6156 .. 94	95.00	3/0 (≈ 484/24)	0.717	18.2	695
▶ 6156 .. 95	120.00	4/0 (≈ 589/24)	0.776	19.7	834
▶ 6156 .. 96	150.00	250 (≈ 740/24)	0.858	21.8	1037
▶ 6156 .. 97	185.00	350 (≈ 902/24)	0.913	23.2	1254
▶ 6156 .. 98	240.00	450 (≈ 1220/24)	1.059	26.9	1684
▶ 6156 .. 99	300.00	550 (≈ 1525/24)	1.181	30.0	2100

Other dimensions and colors are available on request

Color code for single conductors:

01 = black	07 = violet
02 = blue	08 = white
03 = brown	09 = orange
04 = gray	11 = red
05 = yellow	16 = gentian blue
06 = green	27 = green/yellow



On request with
tinned copper strands

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