

# Halogen-free Cables

## SABIX® A 812 C FRNC

motor connection cable with numbered cores, improved fire performance, extended temperature range, inner sheath and overall copper screen

0.6/1 kV

SAB Servo

N · SABIX® A 812 C FRNC rf 0,6/1 kV 7 x 1,5 mm<sup>2</sup> CE



marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 812 C FRNC rf 0,6/1 kV 7 x 1,5 mm<sup>2</sup> CE

### Construction:

**Conductor:** bare copper strands  
acc. to IEC 60228, VDE 0295, class 5

**Insulation:** SABIX®

**Colour code:** black cores with consecutive numbers  
acc. to EN 50334 + VDE 0293-334,  
green-yellow earth wire from 3 cores

**Stranding:** in layers

**Inner Sheath:** SABIX®

**Screen:** tinned copper braiding

**Sheath material:** SABIX®

**Sheath colour:** grey (RAL 7000)

### Outstanding features:

- » halogen-free
- » good EMC characteristics
- » no flame propagation
- » flame retardant and self-extinguishing
- » PFAS free

### Technical Data:

**Nominal voltage:** U<sub>0</sub>/U 0.6/1 kV

**Testing voltage:** core/core 4000 V  
core/screen 4000 V

**Min. bending radius**  
*fixed laying:* 5 x d  
*flexible application:* 10 x d

**Temperature range**  
*fixed laying:* -40/+85 °C  
*flexible application:* -30/+85 °C

**Halogen-free:** acc. to IEC 60754-1 + VDE 0482-754-1

**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  
cat. C resp. D, see chapter N „Technical data“.  
Flame retardant and self-extinguishing acc. to  
IEC 60332-1-2 + VDE 0482-332-1-2

**Corrosiveness of conflagration gases:** 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

**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 n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
68120315	3 x 1,50	0,26	11,3	90,9	202
68120415	4 x 1,50	0,26	12,0	111,7	226
68120715	7 x 1,50	0,26	13,8	160,8	312
68120325	3 x 2,50	0,26	12,6	126,5	258
68120425	4 x 2,50	0,26	13,5	155,8	298
68120525	5 x 2,50	0,26	15,0	216,9	373
68120725	7 x 2,50	0,26	16,2	266,9	437
68120440	4 x 4,00	0,31	16,3	251,6	454
68120740	7 x 4,00	0,31	18,0	379,9	589
68120360	3 x 6,00	0,31	15,1	270,0	426
68120460	4 x 6,00	0,31	16,7	328,8	516
68120760	7 x 6,00	0,31	19,9	528,3	777

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
68120370	3 x 10,0	0,41	19,4	412,3	614
68120470	4 x 10,0	0,41	21,0	522,4	746
68120570	5 x 10,0	0,41	22,8	645,5	916
68120770	7 x 10,0	0,41	25,1	842,0	1154
68120380	3 x 16,0	0,41	22,4	601,9	827
68120480	4 x 16,0	0,41	24,7	783,4	1055
68120580	5 x 16,0	0,41	27,0	942,8	1291
68120780	7 x 16,0	0,41	29,7	1274,0	1661
68120390	3 x 25,0	0,41	26,7	894,0	1188
68120490	4 x 25,0	0,41	29,4	1157,7	1510
68120590	5 x 25,0	0,41	32,3	1413,6	1862

Other dimensions and colours are possible on request.