

SABIX® A 812 C FRNC

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

D-VIERSEN · SABIX A 812 C FRNC rf 0,6/1 kV 7 x 1,5 mm² CE



Marking for SABIX A 812 C FRNC 68120715:

SAB BRÖCKSKES · D-VIERSEN · SABIX A 812 C FRNC rf 0,6/1 kV 7 x 1,5 mm² CE

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Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	SABIX®
Colour code:	black cores with consecutive numbers acc. to EN 50334; 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
- EAC approval

* Copper braiding should be connected circularly to optimize the EMC characteristics

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV
Testing voltage U:	4000 V acc. to DIN VDE 0281 part 2 + HD 21.2 core/screen 2000 V
Min. bending radius	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
Temperature range	
<i>fixed laying:</i>	-40/+85 °C
<i>flexible application:</i>	-30/+85 °C
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1
Fire performance:	no flame propagation acc. to IEC 60332 + EN 60332 cat. C resp. D (see page N/19). Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + EN 61034
Flexibility:	good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 5% 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 ²	largest single wire ø mm	outer-ø ± 5% 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.