

HALOGEN-FREE CABLES



SABIX® CC 625 FRNC M Control cable with numbered conductors



Marking for SABIX® CC 625 FRNC M 62521612: SAB BRÖCKSKES · D-VIERSEN ·
62521215 12 G 1.5 mm² SABIX® CC 625 FRNC M 16 AWG/12c 62521612 AWM Style 21089 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

SABIX® CC 625 FRNC M is a halogen-free, multi-conductor, flexible power and control cable designed for use in all electrical equipment in dry, damp, and wet conditions. Recommended applications include machinery, data processing equipment, ventilation and air conditioning systems. In case of fire, no corrosive gases are produced. This cable is particularly suitable for use where human life and valuable property are exposed to an extremely high risk of fire.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	FRNC
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	FRNC
Jacket color:	gray

Outstanding features:

- ▶ low smoke halogen-free LSHF
- ▶ UL recognized, CSA approved
- ▶ no flame propagation
- ▶ flame retardant and self-extinguishing
- ▶ flexible

Technical data:

Nominal voltage:	UL/CSA: 600 V DIN/VDE: U _o /U 300/500 V
Testing voltage:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2
Min. bending radius <i>fixed installation:</i>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.
<i>free movement:</i>	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.
Temperature range <i>static:</i>	DIN VDE: -40/+90°C UL: up to +75°C CSA: up to +80°C
<i>flexing:</i>	-30/+90°C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	no flame propagation acc. to IEC 60332 + EN 60332 cat. C resp. D. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2, CSAFT1
Corrosivity:	in compliance with IEC 60754-2 and 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 O/30

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 16/32) • 0.50 mm ²				
62522002	2	0.205	5.2	27
62522003	3	0.217	5.5	32
62522004	4	0.232	5.9	38
62522005	5	0.252	6.4	44
62522007	7	0.276	7.0	56
62522008	8	0.323	8.2	70
62522009	9	0.350	8.9	79
62522010	10	0.358	9.1	81
62522012	12	0.366	9.3	91
62522014	14	0.386	9.8	103
62522016	16	0.413	10.5	119
62522018	18	0.437	11.1	132
62522025	25	0.531	13.5	181
62522030	30	0.547	13.9	208
62522034	34	0.598	15.2	239
62522040	40	0.650	16.5	283
62522041	41	0.650	16.5	288
62522061	61	0.760	19.3	409

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 19 AWG (≈ 23/32) • 0.75 mm ²				
62521902	2	0.224	5.7	32
62521903	3	0.236	6.0	38
62521904	4	0.256	6.5	46
62521905	5	0.280	7.1	54
62521907	7	0.311	7.9	71
62521908	8	0.366	9.3	89
62521909	9	0.390	9.9	97
62521910	10	0.398	10.1	100
62521912	12	0.417	10.6	118
62521914	14	0.437	11.1	132
62521916	16	0.469	11.9	152
62521918	18	0.492	12.5	168
62521925	25	0.598	15.2	231
62521930	30	0.618	15.7	267
62521934	34	0.673	17.1	304
62521940	40	0.732	18.6	360
62521941	41	0.732	18.6	366
62521961	61	0.866	22.0	528

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 18 AWG (≈ 30/32) • 1.00 mm ²				
62521802	2	0.232	5.9	36
62521803	3	0.248	6.3	44
62521804	4	0.268	6.8	54
62521805	5	0.295	7.5	65
62521807	7	0.323	8.2	83
62521808	8	0.378	9.6	102
62521809	9	0.413	10.5	116
62521810	10	0.421	10.7	120
62521812	12	0.433	11.0	137
62521814	14	0.453	11.5	155
62521818	18	0.512	13.0	198
62521825	25	0.622	15.8	271
62521830	30	0.654	16.6	321
62521834	34	0.709	18.0	365
62521840	40	0.768	19.5	429
62521841	41	0.768	19.5	454
62521861	61	0.902	22.9	626

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21089 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT

Marking for SABIX® CC 625 FRNC M 62521612: SAB BRÖCKSKES · D-VIERSEN ·
62521215 12 G 1.5 mm² SABIX® CC 625 FRNC M 16 AWG/12c 62521612 AWM Style 21089 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 CE

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Smoke density:	acc. to IEC 61034 + EN 61034
Flexibility:	good
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	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) • 1.50 mm ²				
62521602	2	0.256	6.5	46
62521603	3	0.272	6.9	57
62521604	4	0.299	7.6	71
62521605	5	0.327	8.3	87
62521607	7	0.366	9.3	112
62521608	8	0.429	10.9	136
62521609	9	0.465	11.8	153
62521610	10	0.476	12.1	161
62521612	12	0.488	12.4	184
62521614	14	0.512	13.0	209
62521618	18	0.587	14.9	271
62521625	25	0.713	18.1	375
62521630	30	0.736	18.7	435
62521634	34	0.807	20.5	502
62521640	40	0.874	22.2	587
62521641	41	0.874	22.2	593
62521661	61	1.024	26.0	861

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 14 AWG (≈ 46/30) • 2.50 mm ²				
62521402	2	0.307	7.8	70
62521403	3	0.327	8.3	86
62521404	4	0.362	9.2	108
62521405	5	0.398	10.1	131
62521407	7	0.441	11.2	173
62521408	8	0.528	13.4	212
62521409	9	0.563	14.3	234
62521409	10	0.583	14.8	252
62521412	12	0.602	15.3	290
62521418	18	0.717	18.2	425
62521425	25	0.878	22.3	585
▶ 12 AWG (≈ 52/28) • 4.00 mm ²				
62521203	3	0.382	9.7	126
62521204	4	0.425	10.8	160
62521205	5	0.476	12.1	198
62521207	7	0.528	13.4	261

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 10 AWG (≈ 78/28) • 6.00 mm ²				
62521003	3	0.449	11.4	182
62521004	4	0.500	12.7	230
62521005	5	0.559	14.2	286
▶ 8 AWG (≈ 77/26) • 10.00 mm ²				
62520804	4	0.677	17.2	409
62520805	5	0.760	19.3	508
▶ 6 AWG (≈ 122/26) • 16.00 mm ²				
62520604	4	0.831	21.1	611
▶ 4 AWG (≈ 190/26) • 25.00 mm ²				
62520404	4	1.043	26.5	991
▶ 2 AWG (≈ 272/26) • 35.00 mm ²				
62520204	4	1.189	30.2	1347

Other dimensions and colors are possible on request.

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