

Halogen-free Cables

SABIX® CC 625 SH FRNC M

Control cable with numbered conductors, inner jacket, and overall tinned copper shield



Marking for SABIX® CC 625 SH FRNC M 62571612:

SAB BRÖCKSKES · D-VIERSEN · 62571612 12 x 1.5 mm² SABIX® CC 625 SH FRNC M 16 AWG/12c 62571215 AWM Style 21089 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
Stranding:	in layers
Inner jacket:	SABIX®
Shielding:	tinned copper braiding
Jacket material:	SABIX®
Jacket color:	gray (RAL 7000)

Technical data:

Nominal voltage:	Uo/U 300/500 V
Voltage UL/CSA:	600 V
Testing voltage:	conductor/conductor: 3000 V conductor/shielding: 2000 V
Min. bending radius:	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D.
Temperature range:	UL: up to +75°C CSA: up to +80°C <i>static:</i> DIN VDE: -40/+90°C <i>flexible:</i> -30/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
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 cat. C resp. D Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
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:	UR AWM, CSA AWM, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

Outstanding features:

- low smoke halogen-free (LSHF)
 - UL recognized, CSA approved
 - no flame propagation
 - good EMC characteristics*
 - flame retardant and self-extinguishing
 - flexible
- *copper braiding should be connected circularly to optimize the EMC characteristics

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 20 AWG (≈ 16/32) - 0.50 mm²				
62572002	2	0.276	7.0	50
62572003	3	0.287	7.3	55
62572004	4	0.307	7.8	64
62572005	5	0.331	8.4	74
62572007	7	0.358	9.1	90
62572008	8	0.409	10.4	110
62572009	9	0.437	11.1	127
62572010	10	0.445	11.3	132
62572012	12	0.453	11.5	143
62572014	14	0.488	12.4	164
62572016	16	0.508	12.9	180
62572018	18	0.539	13.7	199
62572025	25	0.642	16.3	275
62572030	30	0.657	16.7	303
62572034	34	0.709	18.0	343
62572040	40	0.768	19.5	404
62572041	41	0.768	19.5	409
62572061	61	0.878	22.3	546

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 19 AWG (≈ 23/32) - 0.75 mm²				
62571902	2	0.299	7.6	58
62571903	3	0.311	7.9	65
62571904	4	0.331	8.4	76
62571905	5	0.366	9.3	90
62571907	7	0.390	9.9	108
62571908	8	0.453	11.5	140
62571909	9	0.484	12.3	155
62571910	10	0.500	12.7	164
62571912	12	0.512	13.0	179
62571914	14	0.539	13.7	200
62571916	16	0.563	14.3	220
62571918	18	0.594	15.1	243
62571925	25	0.709	18.0	335
62571930	30	0.736	18.7	378
62571934	34	0.791	20.1	427
62571940	40	0.850	21.6	494
62571941	41	0.850	21.6	501
62571961	61	0.992	25.2	691

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 18 AWG (≈ 30/32) - 1.00 mm²				
62571802	2	0.307	7.8	63
62571803	3	0.323	8.2	73
62571804	4	0.350	8.9	87
62571805	5	0.374	9.5	100
62571807	7	0.409	10.4	123
62571808	8	0.480	12.2	162
62571809	9	0.508	12.9	177
62571810	10	0.524	13.3	186
62571812	12	0.535	13.6	204
62571814	14	0.555	14.1	226
62571818	18	0.622	15.8	289
62571825	25	0.740	18.8	384
62571830	30	0.772	19.6	441
62571834	34	0.827	21.0	492
62571840	40	0.886	22.5	568
62571841	41	0.886	22.5	576
62571861	61	1.035	26.3	800

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item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
62571602	2	0.331	8.4	75
62571603	3	0.354	9.0	91
62571604	4	0.378	9.6	106
62571605	5	0.421	10.7	134
62571607	7	0.453	11.5	163
62571608	8	0.531	13.5	202
62571609	9	0.559	14.2	222
62571610	10	0.579	14.7	234
62571612	12	0.591	15.0	259
62571614	14	0.622	15.8	300
62571618	18	0.697	17.7	374
62571625	25	0.831	21.1	503
62571630	30	0.854	21.7	570
62571634	34	0.925	23.5	644
62571640	40	1.000	25.4	751
62571641	41	1.000	25.4	757
62571661	61	1.157	29.4	1058

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
62571402	2	0.386	9.8	105
62571403	3	0.421	10.7	136
62571404	4	0.449	11.4	160
62571405	5	0.500	12.7	195
62571407	7	0.543	13.8	240
62571408	8	0.638	16.2	305
62571409	9	0.673	17.1	335
62571410	10	0.693	17.6	355
62571412	12	0.720	18.3	400
62571418	18	0.835	21.2	552
62571425	25	1.004	25.5	749
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
62571203	3	0.484	12.3	153
62571204	4	0.528	13.4	226
62571205	5	0.579	14.7	272
62571207	7	0.638	16.2	353

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
62571003	3	0.551	14.0	253
62571004	4	0.610	15.5	320
62571005	5	0.669	17.0	386
▶ 8 AWG (≈ 77/26) ▪ 10.00 mm²				
62570804	4	0.795	20.2	531
62570805	5	0.878	22.3	645
▶ 6 AWG (≈ 122/26) ▪ 16.00 mm²				
62570604	4	0.957	24.3	769
▶ 4 AWG (≈ 190/26) ▪ 25.00 mm²				
62570404	4	1.169	29.7	1181
▶ 2 AWG (≈ 272/26) ▪ 35.00 mm²				
62570204	4	1.331	33.8	1584

Other dimensions and colors are available on request