

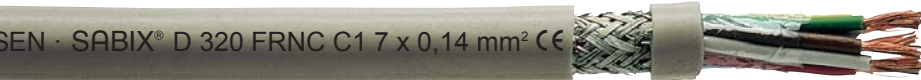
# HALOGEN-FREE CABLES

acc. to  
NF C32-070 C1



## SABIX® D 320 FRNC C1

Flexible data cable with improved fire performance, overall copper screen and extended temperature range



Marking for SABIX® D 320 FRNC C1 63200714:

SAB BRÖCKSKES · D-VIERSEN · SABIX® D 320 FRNC C1 7 x 0,14 mm² CE

SABIX® D 320 FRNC C1 is a halogen free, flexible, flame retardant, tinned copper shielded, multi-conductor data cable designed for use in electronics of data processing systems, weighing installations and office appliances. In case of a fire no corrosive gases are produced. This cable is particularly suitable for use where human life and valuable property are exposed to a extremely high risk of fire.

### Construction:

<b>Conductor:</b>	bare copper strands with reference to DIN VDE 0812
<b>Insulation :</b>	SABIX® 233
<b>Color code:</b>	with reference to DIN 47100
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	PETP foil
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	SABIX® 233
<b>Jacket color:</b>	gray

### Outstanding features:

- halogen-free
- good EMC characteristics\*
- no flame propagation
- flame retardant and self-extinguishing
- NF C32-070 C1

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

### Technical data:

<b>Peak operating voltage:</b>	< 24 AWG = max. 350 V ≥ 24 AWG = max. 500 V
<b>Testing voltage:</b>	< 24 AWG = 800 V ≥ 24 AWG = 1200 V
<b>Min. bending radius</b> <i>fixed laying:</i>	5 x O.D.
<i>flexible application:</i>	10 x O.D.
<b>Temperature range</b> <i>fixed laying:</i>	-30/+90 °C
<i>flexible application:</i>	-20/+90 °C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Burning characteristics:</b>	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 + NF C32-070 C1
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + EN 61034
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors	nominal outer- inch	outer- mm	cable weight ≈ lbs/mft	item no.	no. of conductors	nominal outer- inch	outer- mm	cable weight ≈ lbs/mft	item no.	no. of conductors	nominal outer- inch	outer- mm	cable weight ≈ lbs/mft
<b>▶ 26 AWG (≈ 18/38) • 0.14 mm<sup>2</sup></b>					<b>▶ 24 AWG (≈ 14/34) • 0.25 mm<sup>2</sup></b>					<b>▶ 22 AWG (≈ 7/30) • 0.34 mm<sup>2</sup></b>				
63200214	2	0.157	4.0	16	63200125	1	0.126	3.2	11	63200234	2	0.193	4.9	23
63200314	3	0.165	4.2	17	63200225	2	0.169	4.3	18	63200334	3	0.201	5.1	27
63200414	4	0.173	4.4	19	63200325	3	0.177	4.5	21	63200434	4	0.217	5.5	32
63200514	5	0.185	4.7	24	63200425	4	0.189	4.8	25	63200534	5	0.232	5.9	37
63200614	6	0.197	5.0	26	63200525	5	0.201	5.1	28	63200634	6	0.252	6.4	43
63200714	7	0.197	5.0	27	63200625	6	0.217	5.5	30	63200734	7	0.252	6.4	45
63200814	8	0.220	5.6	32	63200725	7	0.217	5.5	34	63200834	8	0.283	7.2	54
63201014	10	0.236	6.0	35	63200825	8	0.240	6.1	40	63201034	10	0.307	7.8	61
63201214	12	0.244	6.2	39	63201025	10	0.260	6.6	45	63201234	12	0.315	8.0	68
63201414	14	0.252	6.4	42	63201225	12	0.268	6.8	50	63201434	14	0.346	8.8	83
63201614	16	0.264	6.7	47	63201425	14	0.280	7.1	56	63201634	16	0.362	9.2	91
63201814	18	0.276	7.0	51	63201625	16	0.291	7.4	62	63201834	18	0.382	9.7	101
63202014	20	0.287	7.3	56	63201825	18	0.307	7.8	69	63202034	20	0.398	10.1	109
63202114	21	0.299	7.6	59	63202025	20	0.335	8.5	79	63202134	21	0.421	10.7	123
63202414	24	0.315	8.0	63	63202125	21	0.346	8.8	84	63202434	24	0.445	11.3	136
63202714	27	0.339	8.6	74	63202425	24	0.358	9.1	88	63202734	27	0.453	11.5	146
63203014	30	0.346	8.8	80	63202725	27	0.374	9.5	99	63203034	30	0.469	11.9	157
63203214	32	0.358	9.1	84	63203025	30	0.386	9.8	107	63203234	32	0.500	12.7	176
63203614	36	0.370	9.4	91	63203225	32	0.398	10.1	112	63203634	36	0.520	13.2	192
63204014	40	0.394	10.0	101	63203625	36	0.421	10.7	132	63204034	40	0.559	14.2	221
63204414	44	0.417	10.6	115	63204025	40	0.445	11.3	146	63204434	44	0.583	14.8	240
63204814	48	0.425	10.8	122	63204425	44	0.465	11.8	155	63204834	48	0.591	15.0	254
63205014	50	0.433	11.0	128	63204825	48	0.488	12.4	173	63205034	50	0.614	15.8	272
63205214	52	0.433	11.0	130	63205025	50	0.500	12.7	179	63205234	52	0.614	15.8	279
63205614	56	0.445	11.3	138	63205225	52	0.500	12.7	185	63205634	56	0.638	16.2	295
63206114	61	0.457	11.6	146	63205625	56	0.512	13.0	196	63206134	61	0.657	16.7	319
					63166125	61	0.528	13.4	208					

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Web site: [www.sabcable.com](http://www.sabcable.com)

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D-VIERSEN · SABIX® D 320 FRNC C1 7 x 0,14

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SAB BRÖCKSKES · D-VIERSEN · SABIX® D 320 FRNC C1 7 x 0,14 mm² CE

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<b>Temperature range</b> <i>fixed laying:</i>	-30/+90 °C
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<b>Zero halogen:</b>	acc. to DINVDE 0472 part 815 and IEC 60754-1
<b>Burning characteristics:</b>	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 + NF C32-070 C1
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + EN 61034
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors	nominal outer- inch	outer- mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (≈ 16/32) • 0.50 mm²</b>				
63200150	1	0.142	3.6	15
63200250	2	0.205	5.2	27
63200350	3	0.213	5.4	30
63200450	4	0.228	5.8	36
63200550	5	0.248	6.3	44
63200650	6	0.268	6.8	50
63200750	7	0.268	6.8	53
63200850	8	0.307	7.8	65
63201050	10	0.346	8.8	79
63201250	12	0.354	9.0	87
63201450	14	0.370	9.4	99
63201650	16	0.390	9.9	110
63201850	18	0.417	10.6	129
63202050	20	0.437	11.1	142
63202150	21	0.457	11.6	149
63202450	24	0.496	12.6	171
63202750	27	0.504	12.8	185
63203050	30	0.520	13.2	199
63203250	32	0.547	13.9	222
63203650	36	0.567	14.4	242
63204050	40	0.622	15.8	279
63204250	42	0.622	15.8	287
63205050	50	0.669	17.0	330
63205250	52	0.669	17.0	338
63206150	61	0.709	18.0	382

item no.	no. of conductors	nominal outer- inch	outer- mm	cable weight ≈ lbs/mft
<b>▶ 19 AWG (≈ 23/32) • 0.75 mm²</b>				
63200175	1	0.154	3.9	19
63200275	2	0.228	5.8	33
63200375	3	0.240	6.1	39
63200475	4	0.260	6.6	48
63200575	5	0.280	7.1	56
63200675	6	0.303	7.7	66
63200775	7	0.303	7.7	71
63200875	8	0.362	9.2	89
63201075	10	0.394	10.0	102
63201275	12	0.413	10.5	124
63201475	14	0.433	11.0	140
63201675	16	0.453	11.5	155
63201875	18	0.492	12.5	178
63202175	21	0.543	13.8	216
63202475	24	0.575	14.6	240
63202775	27	0.587	14.9	259
63203075	30	0.622	15.8	290
63203275	32	0.642	16.3	305
63203675	36	0.665	16.9	336

item no.	no. of conductors	nominal outer- inch	outer- mm	cable weight ≈ lbs/mft
<b>▶ 18 AWG (≈ 30/32) • 1.00 mm²</b>				
63200180	1	0.157	4.0	20
63200280	2	0.236	6.0	37
63200380	3	0.248	6.3	44
63200480	4	0.268	6.8	54
63200580	5	0.291	7.4	65
63200680	6	0.315	8.0	75
63200780	7	0.315	8.0	81
<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm²</b>				
63200185	1	0.169	4.3	24
63200285	2	0.260	6.6	46
63200385	3	0.272	6.9	55
63200485	4	0.295	7.5	68
63200585	5	0.339	8.6	88
63200685	6	0.366	9.3	102
63200785	7	0.366	9.3	111

Other dimensions and colors are possible on request.

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