

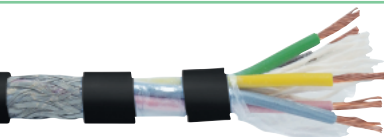
# Halogen-free Cables

## SABIX® SD 715 FRNC C1

Continuous flex halogen-free shielded data cable with extended temperature range and higher fire protection



SABIX® SD 715 C FRNC C1 7 x 0.25 mm<sup>2</sup> CE



Marking for SABIX® SD 715 C FRNC C1 67150725:

SAB BRÖCKSKES · D-VIERSEN · SABIX® SD 715 C FRNC C1 7 x 0.25 mm<sup>2</sup> CE

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	SABIX®
<b>Color code:</b>	DIN 47100, see page O/26
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	non-woven tape
<b>Shielding:</b>	tinned copper braiding, optical coverage ≥ 85%
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	SABIX®
<b>Jacket color:</b>	black (RAL 9005)

### Outstanding features:

- low smoke halogen-free (LSHF)
- continuous flex
- good EMC characteristics\*
- no flame propagation
- flame retardant and self-extinguishing
- oil and fuel resistant
- good acid and alkalines resistance
- NF C 32-070 C1
- UV resistant jacket

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

### Technical data:

<b>Nominal voltage:</b>	< 24 AWG = max. 350 V ≥ 24 AWG = max. 500 V
<b>Testing voltage:</b>	conductor/conductor: 1500 V conductor/shielding: 1200 V
<b>Min. bending radius:</b>	<i>fixed installation:</i> 4 x O.D. <i>flexible application:</i> 6 x O.D. <i>continuous flex:</i> 15 x O.D.
<b>Radiation resistance:</b>	1 x 10 <sup>7</sup> cJ/kg (100 kGy)
<b>Temperature range:</b>	<i>static:</i> -40/+90°C <i>flexible:</i> -30/+90°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	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 + NF C 32-070 C1
<b>Corrosivity:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034
<b>Toxicity:</b>	acc. to NF X 70-100
<b>Oil and fuel resistance:</b>	acc. to EN 50264-1 + VDE 0260-264-1
<b>Approvals:</b>	CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>▶ 26 AWG (≈ 18/38) ▪ 0.14 mm<sup>2</sup></b>				
67150214	2	0.146	3.7	15
67150314	3	0.154	3.9	17
67151214	12	0.272	6.9	46
67151814	18	0.291	7.4	59
67152514	25	0.350	8.9	80
<b>▶ 24 AWG (≈ 32/38) ▪ 0.25 mm<sup>2</sup></b>				
67150225	2	0.157	4.0	17
67150425	4	0.177	4.5	24
67150525	5	0.205	5.2	31
67150625	6	0.244	6.2	42
67150725	7	0.260	6.6	48
67150825	8	0.280	7.1	54
67151225	12	0.307	7.8	65
67151825	18	0.378	9.6	103
67152525	25	0.390	9.9	123

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>▶ 22 AWG (≈ 42/38) ▪ 0.34 mm<sup>2</sup></b>				
67150434	4	0.213	5.4	32
67150534	5	0.244	6.2	42
67150734	7	0.276	7.0	54
67151234	12	0.335	8.5	79
<b>▶ 20 AWG (≈ 16/32) ▪ 0.50 mm<sup>2</sup></b>				
67150205	2	0.205	5.2	29
67150405	4	0.240	6.1	42
67150505	5	0.260	6.6	50

item no.	no. of conductors incl. ground	nominal outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
<b>▶ 19 AWG (≈ 23/32) ▪ 0.75 mm<sup>2</sup></b>				
67150475	4	0.268	6.8	53
67150575	5	0.291	7.4	63
67150775	7	0.362	9.2	95
<b>▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm<sup>2</sup></b>				
67150715	7	0.417	10.6	146

Other dimensions and colors are available on request