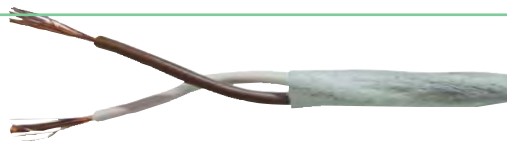


## SABIX® SD 705 FRNC C1 Continuously flexible halogen-free data cable with improved fire performance



D-VIERSEN · SABIX SD 705 FRNC C1 2 x 0,25

Marking for SABIX SD 705 FRNC C1 67050225:  
SAB BRÖCKSKES · D-VIERSEN · SABIX SD 705 FRNC C1 2 x 0,25 mm<sup>2</sup> CE

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### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	SABIX®
<b>Colour code:</b>	with reference to DIN 47100
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	SABIX®
<b>Sheath colour:</b>	black (RAL 9005)

### Outstanding features:

- 100% halogen-free
- 100% continuously flexible
- 100% no flame propagation
- 100% flame retardant and self-extinguishing
- 100% oil and fuel resistant
- 100% good acid and alkalines resistance
- 100% NF C 32-070 C1
- 100% EAC approval

### Technical data:

<b>Peak operating voltage:</b>	< 0,25 mm <sup>2</sup> = max. 350 V ≥ 0,25 mm <sup>2</sup> = max. 500 V
<b>Testing voltage:</b>	1500 V
<b>Min. bending radius</b>	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
<i>continuously flexible:</i>	12,5 x d
<b>Radiation resistance:</b>	1 x 10 <sup>7</sup> cJ/kg (100 kGy)
<b>Temperature range</b>	
<i>fixed laying:</i>	-40/+90 °C
<i>flexible application:</i>	-30/+90 °C
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 + IEC 60754-1
<b>Fire performance:</b>	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 + NF C 32-070 C1
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60754-2 + 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>Toxicity:</b>	acc. to NF X 70-100
<b>Oil and fuel resistance:</b>	acc. to EN 50264-1
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
67050214	2 x 0,14	0,11	3,2	2,7	14
67050314	3 x 0,14	0,11	3,4	4,0	17
67050514	5 x 0,14	0,11	3,9	6,7	24
67050714	7 x 0,14	0,11	4,5	9,4	32
67050225	2 x 0,25	0,11	3,5	4,8	18
67050325	3 x 0,25	0,11	3,7	7,2	21
67050425	4 x 0,25	0,11	4,0	9,6	26
67051025	10 x 0,25	0,11	6,1	24,0	60
67051225	12 x 0,25	0,11	6,3	28,8	64

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
67051425	14 x 0,25	0,11	6,6	33,6	72
67051825	18 x 0,25	0,11	7,3	43,2	90
67052525	25 x 0,25	0,11	8,7	60,0	117
67050234	2 x 0,34	0,11	4,1	6,5	24
67050534	5 x 0,34	0,11	5,3	16,3	43
67050734	7 x 0,34	0,11	6,3	22,8	62
67051034	10 x 0,34	0,11	7,3	32,6	76
67052534	25 x 0,34	0,11	11,1	81,6	180

Other dimensions and colours are possible on request.



For flexible applications  
in areas with highest  
fire protection requirements  
e.g. power plant technology,  
railway applications