

# Halogen-free Cables

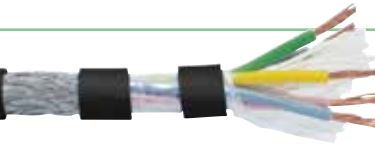
## SABIX® SD 715 C FRNC C1

continuously flexible data cable with improved fire performance and overall copper screen

acc. to  
NF C 32-070 C1

SABIX® Ultra

SABIX® SD 715 C FRNC C1 7 x 0,25 mm² CE



marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® SD 715 C FRNC C1 7 x 0,25 mm² CE

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

### Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	SABIX®
Colour code:	with reference to DIN 47100
Stranding:	in layers
Wrapping:	non-woven tape
Screen:	tinned copper braiding, optical coverage ≥ 85%
Wrapping:	non-woven tape
Sheath material:	SABIX®
Sheath colour:	black (RAL 9005)

### Outstanding features:

- » halogen-free
- » continuously flexible
- » 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
- » PFAS free

### Technical Data:

Peak operating voltage:	< 0,25 mm² = max. 350 V ≥ 0,25 mm² = max. 500 V
Testing voltage:	core/core 1500 V core/screen 1200 V
Min. bending radius	
fixed laying:	4 x d
flexible application:	6 x d
continuously flexible:	15 x d
Radiation resistance:	1 x 10 <sup>7</sup> cJ/kg (100 kGy)
Temperature range	
fixed laying:	-40/+90 °C
flexible application:	-30/+90 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	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, see chapter N „Technical data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 + NF C 32-070 C1
Corrosiveness of conflagration gases:	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
Toxicity:	acc. to EN 50305
Oil and fuel resistance:	acc. to EN 50264-1 + VDE 0260-264-1
UV, ozone and weather resistance:	good
Mycological resistance:	good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	no. of cores x cross section n x mm²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
67150214	2 x 0,14	0,11	3,7	13,5	22
67150314	3 x 0,14	0,11	3,9	15,0	25
67151214	12 x 0,14	0,11	6,9	38,3	69
67151814	18 x 0,14	0,11	7,4	49,4	88
67152514	25 x 0,14	0,11	8,9	62,8	119
67150225	2 x 0,25	0,11	4,0	15,8	25
67150425	4 x 0,25	0,11	4,5	24,7	36
67150525	5 x 0,25	0,11	5,2	27,6	46
67150625	6 x 0,25	0,11	6,2	33,0	63
67150725	7 x 0,25	0,11	6,6	38,1	72
67150825	8 x 0,25	0,11	7,1	41,6	81
67151225	12 x 0,25	0,11	7,8	54,6	96
67151825	18 x 0,25	0,11	9,6	89,7	153

item no.	no. of cores x cross section n x mm²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
67152525	25 x 0,25	0,11	9,9	110,4	183
67150434	4 x 0,34	0,11	5,4	28,9	48
67150534	5 x 0,34	0,11	6,2	35,7	63
67150734	7 x 0,34	0,11	7,0	45,1	81
67151234	12 x 0,34	0,11	8,5	65,0	117
67150250	2 x 0,50	0,11	5,2	25,2	43
67150350	3 x 0,50	0,11	5,4	30,3	49
67150450	4 x 0,50	0,11	6,1	38,5	63
67150550	5 x 0,50	0,11	6,6	45,3	75
67150475	4 x 0,75	0,11	6,8	50,8	79
67150575	5 x 0,75	0,11	7,4	57,7	94
67150775	7 x 0,75	0,11	9,2	79,9	141
67150785	7 x 1,50	0,11	10,6	153,3	218

Other dimensions and colours are possible on request.