

Halogen-free Cables

SABIX® SD 705 FRNC C1

continuously flexible data cable with improved fire performance

acc. to
NF C 32-070 C1

SABIX® Ultra

ERSEN · SABIX® SD 705 FRNC C1 2 x 0,25 mm² CE



marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® SD 705 FRNC C1 2 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
Sheath material:	SABIX®
Sheath colour:	black (RAL 9005)

Outstanding features:

- » halogen-free
- » continuously flexible
- » 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 mm ² = max. 350 V ≥ 0,25 mm ² = max. 500 V
Testing voltage:	core/core 1500 V
Min. bending radius	
<i>fixed laying:</i>	4 x d
<i>flexible application:</i>	6 x d
<i>continuously flexible:</i>	15 x d
Radiation resistance:	1 x 10 ⁷ cJ/kg (100 kGy)
Temperature range	
<i>fixed laying:</i>	-40/+90 °C
<i>flexible application:</i>	-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 mm ²	largest single wire ø mm	outer-ø ± 10% 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
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.