

Halogen-free Cables

SABIX® SD 705 FRNC C1

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



ERSEN · SABIX® SD 705 FRNC C1 12 x 0.25 mm² CE



Marking for SABIX® SD 705 FRNC C1 67051225:

SAB BRÖCKSKES · D-VIERSEN · SABIX® SD 705 FRNC C1 12 x 0.25 mm² CE

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	SABIX®
Color code:	DIN 47100, see below
Stranding:	in layers
Wrapping:	non-woven tape
Jacket material:	SABIX®
Jacket color:	black (RAL 9005)

Outstanding features:



- low smoke halogen-free (LSHF)
- continuous flex
- 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

Technical data:

Peak operating voltage:	< 24 AWG = max. 350 V ≥ 24 AWG = max. 500 V
Testing voltage:	conductor/conductor: 1500 V
Min. bending radius:	<i>fixed installation:</i> 4 x O.D. <i>flexible application:</i> 6 x O.D. <i>continuously flexible:</i> 15 x O.D.
Radiation resistance:	1 x 10 ⁷ cJ/kg (100 kGy)
Temperature range:	DIN VDE <i>static:</i> -40/+90°C <i>flexible:</i> -30/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	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
Corrosivity:	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
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm²				
67050214	2	0.126	3.2	9
67050314	3	0.134	3.4	11
67050514	5	0.154	3.9	16
67050714	7	0.177	4.5	22

item no.	no. of conductors	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
▶ 24 AWG (≈ 32/38) • 0.25 mm²				
67050225	2	0.138	3.5	12
67050325	3	0.146	3.7	14
67050425	4	0.157	4.0	17
67051025	10	0.240	6.1	40
67051225	12	0.248	6.3	43
67051425	14	0.260	6.6	48
67051825	18	0.287	7.3	60
67052525	25	0.343	8.7	79

item no.	no. of conductor	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
▶ 22 AWG (≈ 42/38) • 0.34 mm²				
67050234	2	0.161	4.1	16
67050534	5	0.209	5.3	29
67050734	7	0.248	6.3	42
67051034	10	0.287	7.3	51
67052534	25	0.437	11.1	121

Other dimensions and colors are available on request

DIN 47100 color code:

#1- white, #2- brown, #3- green, #4- yellow, #5- gray, #6- pink, #7- blue, #8- red, #9- black, #10- violet, #11- gray-pink, #12- red-blue, #13- white-green, #14- brown-green, #15- white-yellow, #16- yellow-brown, #17- white-gray, #18- gray-brown, #19- white-pink, #20- pink-brown, #21- white-blue, #22- brown-blue, #23- white-red, #24- brown-red, #25- white-black