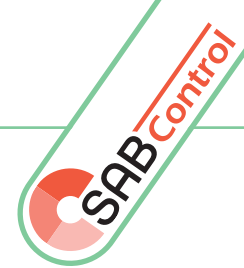


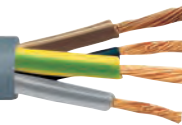
Halogen-free Cables

SABIX® A 205 FRNC

Control cable with colored conductors with improved fire performance and extended temperature range



BRÖCKSKES · D-VIERSEN · SABIX® A 205 FRNC 4 x 1.5 mm² CE



Marking for SABIX® A 205 FRNC 62050415:

SAB BRÖCKSKES · D-VIERSEN · SABIX® A 205 FRNC 4 x 1.5 mm² CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
Color code:	up to 5 conductors- HD 308, see below, from 6 conductors- black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors- a green/yellow ground
Stranding:	in layers
Jacket material:	SABIX®
Jacket color:	gray (RAL 7000)

Outstanding features:

- low smoke halogen-free (LSHF)
- no flame propagation
- flame retardant and self-extinguishing
- very flexible
- very good stripping

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	conductor/conductor: 3000 V
Min. bending radius:	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
Temperature range:	DIN VDE
<i>static:</i>	-40/+85°C
<i>flexible:</i>	-30/+85°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
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
Flexibility:	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 incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²				
62050205	2	0.197	5.0	25
62050305	3	0.209	5.3	29
62050405	4	0.224	5.7	34
62050505	5	0.236	6.0	42
62050705	7	0.272	6.9	52
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
62050207	2	0.220	5.6	32
62050307	3	0.232	5.9	38
62050407	4	0.260	6.6	47
62050507	5	0.283	7.2	56
62050707	7	0.315	8.0	71
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
62050210	2	0.228	5.8	36
62050310	3	0.248	6.3	45
62050410	4	0.268	6.8	54
62050510	5	0.303	7.7	67
62050710	7	0.327	8.3	83

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
62050215	2	0.260	6.6	48
62050315	3	0.276	7.0	58
62050415	4	0.307	7.8	73
62050515	5	0.335	8.5	87
62050715	7	0.370	9.4	112
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
62050225	2	0.315	8.0	73
62050325	3	0.335	8.5	88
62050425	4	0.370	9.4	110
62050525	5	0.413	10.5	132
62050725	7	0.449	11.4	171
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
62050340	3	0.390	9.9	129
62050440	4	0.433	11.0	161
62050540	5	0.484	12.3	199

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
62050360	3	0.457	11.6	184
62050460	4	0.488	12.4	230
62050560	5	0.567	14.4	284
▶ 8 AWG (≈ 77/26) ▪ 10.00 mm²				
62050361	3	0.602	15.3	316
62050461	4	0.665	16.9	394
62050561	5	0.740	18.8	481
▶ 6 AWG (≈ 122/26) ▪ 16.00 mm²				
62050462	4	0.819	20.8	601
▶ 4 AWG (≈ 190/26) ▪ 25.00 mm²				
62050463	4	0.980	24.9	933
▶ 2 AWG (≈ 272/26) ▪ 35.00 mm²				
62050464	4	1.134	28.8	1295
▶ 1 AWG (≈ 400/26) ▪ 50.00 mm²				
62050465	4	1.311	33.3	1768

Other dimensions and colors are available on request

HD 308 color code: up to 5 conductors

2c cable: blue, brown

3c cable: green/yellow, blue, brown

4c cable: green/yellow, brown, black, gray

5c cable: green/yellow, blue, brown, black, gray