

HALOGEN-FREE CABLES



SABIX® A 205 FRNC Control cable with colored conductors and improved fire performance and extended temperature range



Marking for SABIX® A 205 FRNC 62050515:
SAB BRÖCKSKES · D-VIERSEN · SABIX® A205 FRNC 5 x 1,5 mm² CE

SABIX® A 205 FRNC is a halogen free, multi-conductor, flexible power and control cable designed with colored conductors in acc. to HD 308 (VDE 0293 part 308) for use in all electrical equipment in dry, damp and wet conditions. Recommended applications include machinery, data processing equipment, ventilation and air conditioning systems. In case of fire no corrosive gases are produced. This cable is particularly suitable for use where human life and valuable property are exposed to a extremely high risk of fire.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	SABIX® 336
Color code:	colored acc. to HD 308 (VDE 0293 part 308); green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	SABIX® 230
Jacket color:	gray

Outstanding features:

- halogen-free
- no flame propagation
- flame retardant and self-extinguishing
- very flexible
- very good stripping

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2
Min. bending radius	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
Temperature range	
<i>static:</i>	-40/+85 °C
<i>flexing:</i>	-30/+85 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	no flame propagation acc. to IEC 60332 + EN 60332 cat. C resp. D. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
Corrosivity:	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + EN 61034
Flexibility:	good
Weather resistance:	good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors incl. ground	nominal outer-ø inch	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	nominal outer-ø inch	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	0.520	13.2	199

item no.	no. of conductors incl. ground	nominal outer-ø inch	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 possible on request.

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