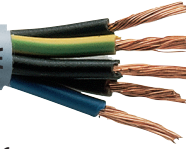


# HALOGEN-FREE CABLES



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

BRÖCKSKES · D-VIERSEN · SABIX® A 205 FRNC 5 x 1,5 mm² CE



Marking for SABIX® A 205 FRNC 62050515:  
SAB BRÖCKSKES · D-VIERSEN · SABIX® A 205 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:

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

### Outstanding features:

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

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V
<b>Testing voltage U:</b>	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2
<b>Min. bending radius</b>	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
<b>Temperature range</b>	
<i>static:</i>	-40/+85 °C
<i>flexing:</i>	-30/+85 °C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Burning characteristics:</b>	no flame propagation acc. to IEC 60332 + EN 50266 cat. C resp. D. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
<b>Corrosivity:</b>	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
<b>Smoke density:</b>	acc. to IEC 61034 + EN 61034
<b>Flexibility:</b>	good
<b>Weather resistance:</b>	good
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (15/32) • 0.50 mm<sup>2</sup></b> 62050205 2 0.189 4.8 22 62050305 3 0.201 5.1 26 62050405 4 0.217 5.5 31 62050505 5 0.244 6.2 38 62050705 7 0.264 6.7 46					<b>▶ 16 AWG (27-29/30) • 1.50 mm<sup>2</sup></b> 62050215 2 0.252 6.4 46 62050315 3 0.268 6.8 54 62050415 4 0.299 7.6 67 62050515 5 0.327 8.3 83 62050715 7 0.362 9.2 106					<b>▶ 10 AWG (78/28) • 6.00 mm<sup>2</sup></b> 62050360 3 0.449 11.4 181 62050460 4 0.500 12.7 226 62050560 5 0.559 14.2 279 <b>▶ 8 AWG (77/26) • 10.00 mm<sup>2</sup></b> 62050361 3 0.594 15.1 310 62050461 4 0.657 16.7 389 62050561 5 0.732 18.6 497 <b>▶ 6 AWG (119/26) • 16.00 mm<sup>2</sup></b> 62050462 4 0.811 20.6 597 <b>▶ 4 AWG (169/26) • 25.00 mm<sup>2</sup></b> 62050463 4 0.980 24.9 933 <b>▶ 2 AWG (280/26) • 35.00 mm<sup>2</sup></b> 62050464 4 1.134 28.8 1295 <b>▶ 1 AWG (400/26) • 50.00 mm<sup>2</sup></b> 62050465 4 1.311 33.3 1768				
<b>▶ 19 AWG (23/32) • 0.75 mm<sup>2</sup></b> 62050207 2 0.213 5.4 30 62050307 3 0.224 5.7 34 62050407 4 0.252 6.4 42 62050507 5 0.276 7.0 52 62050707 7 0.307 7.8 65					<b>▶ 14 AWG (46/36) • 2.50 mm<sup>2</sup></b> 62050225 2 0.307 7.8 71 62050325 3 0.327 8.3 85 62050425 4 0.362 9.2 104 62050525 5 0.398 10.1 134 62050725 7 0.441 11.2 169					Other dimensions and colors are possible on request.				
<b>▶ 18 AWG (30/32) • 1.00 mm<sup>2</sup></b> 62050210 2 0.220 5.6 34 62050310 3 0.240 6.1 42 62050410 4 0.260 6.6 51 62050510 5 0.295 7.5 63 62050710 7 0.319 8.1 79					<b>▶ 12 AWG (52/28) • 4.00 mm<sup>2</sup></b> 62050340 3 0.382 9.7 124 62050440 4 0.425 10.8 157 62050540 5 0.476 12.1 195									

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