

SABIX® A 810 S Motor connection cable with numbered cores and improved fire performance



Marking for SABIX A 810 S 88101215:
SAB BRÖCKSKES · D-VIERSEN · SABIX A 810 S 12 x 1,5 mm² 0,6/1 kV CE

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5 |
| Insulation: | SABIX® |
| Colour code: | black cores with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 cores |
| Stranding: | in layers |
| Sheath material: | SABIX® |
| Sheath colour: | grey (RAL 7000) |

Outstanding features:

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

Technical data:

| | |
|--|--|
| Nominal voltage: | U ₀ /U 0.6/1 kV |
| Testing voltage U: | 4000 V acc. to DIN VDE 0281 part 2 + HD 21.2 |
| Min. bending radius | |
| <i>fixed laying:</i> | 4 x d |
| <i>flexible application:</i> | 6 x d |
| Temperature range | |
| <i>fixed laying:</i> | -30/+70 °C |
| <i>flexible application:</i> | -20/+70 °C |
| Halogen-free: | acc. to DIN VDE 0472 part 815 + IEC 60754-1 |
| Fire performance: | no flame propagation acc. to IEC 60332 + EN 60332 cat. C resp. D (see page N/19). Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 |
| Corrosiveness of conflagration gases: | in compliance with IEC 60754-2 + 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 |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see page N/17 |

A
31

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 88100215 | 2 x 1,50 | 0,26 | 8,9 | 28,8 | 114 |
| 88100315 | 3 x 1,50 | 0,26 | 9,4 | 43,2 | 134 |
| 88100415 | 4 x 1,50 | 0,26 | 10,1 | 57,6 | 158 |
| 88100515 | 5 x 1,50 | 0,26 | 11,0 | 72,0 | 188 |
| 88100615 | 6 x 1,50 | 0,26 | 11,9 | 86,4 | 217 |
| 88100715 | 7 x 1,50 | 0,26 | 11,9 | 100,8 | 225 |
| 88100815 | 8 x 1,50 | 0,26 | 13,8 | 115,2 | 281 |
| 88101015 | 10 x 1,50 | 0,26 | 15,0 | 144,0 | 321 |
| 88101215 | 12 x 1,50 | 0,26 | 15,6 | 172,8 | 370 |
| 88100225 | 2 x 2,50 | 0,26 | 10,1 | 48,0 | 154 |
| 88100325 | 3 x 2,50 | 0,26 | 10,6 | 72,0 | 182 |
| 88100425 | 4 x 2,50 | 0,26 | 11,5 | 96,0 | 219 |
| 88100525 | 5 x 2,50 | 0,26 | 12,6 | 120,0 | 263 |
| 88100625 | 6 x 2,50 | 0,26 | 13,8 | 144,0 | 308 |
| 88100725 | 7 x 2,50 | 0,26 | 13,8 | 168,0 | 335 |
| 88101225 | 12 x 2,50 | 0,26 | 18,1 | 288,0 | 534 |
| 88100240 | 2 x 4,00 | 0,31 | 11,3 | 76,8 | 204 |
| 88100340 | 3 x 4,00 | 0,31 | 11,9 | 115,2 | 246 |
| 88100440 | 4 x 4,00 | 0,31 | 13,2 | 153,6 | 303 |
| 88100540 | 5 x 4,00 | 0,31 | 14,3 | 192,0 | 358 |
| 88100640 | 6 x 4,00 | 0,31 | 15,7 | 230,4 | 426 |
| 88100740 | 7 x 4,00 | 0,31 | 15,7 | 268,8 | 466 |
| 88100260 | 2 x 6,00 | 0,31 | 12,3 | 115,2 | 258 |
| 88100360 | 3 x 6,00 | 0,31 | 13,3 | 172,8 | 321 |
| 88100460 | 4 x 6,00 | 0,31 | 14,3 | 230,4 | 392 |
| 88100560 | 5 x 6,00 | 0,31 | 15,8 | 288,0 | 472 |

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 88100660 | 6 x 6,00 | 0,31 | 17,2 | 345,6 | 557 |
| 88100760 | 7 x 6,00 | 0,31 | 17,2 | 403,2 | 615 |
| 88100270 | 2 x 10,00 | 0,41 | 17,3 | 192,0 | 496 |
| 88100370 | 3 x 10,00 | 0,41 | 18,3 | 288,0 | 607 |
| 88100470 | 4 x 10,00 | 0,41 | 20,0 | 384,0 | 744 |
| 88100570 | 5 x 10,00 | 0,41 | 21,9 | 480,0 | 892 |
| 88100670 | 6 x 10,00 | 0,41 | 23,9 | 576,0 | 1033 |
| 88100770 | 7 x 10,00 | 0,41 | 23,9 | 672,0 | 1149 |
| 88100280 | 2 x 16,00 | 0,41 | 20,3 | 307,2 | 698 |
| 88100380 | 3 x 16,00 | 0,41 | 21,5 | 460,8 | 856 |
| 88100480 | 4 x 16,00 | 0,41 | 23,5 | 614,4 | 1054 |
| 88100580 | 5 x 16,00 | 0,41 | 25,9 | 768,0 | 1293 |
| 88100680 | 6 x 16,00 | 0,41 | 28,3 | 921,6 | 1499 |
| 88100780 | 7 x 16,00 | 0,41 | 28,3 | 1075,2 | 1675 |
| 88100290 | 2 x 25,00 | 0,41 | 24,4 | 480,0 | 1056 |
| 88100390 | 3 x 25,00 | 0,41 | 25,9 | 720,0 | 1315 |
| 88100490 | 4 x 25,00 | 0,41 | 28,4 | 960,0 | 1611 |
| 88100590 | 5 x 25,00 | 0,41 | 31,4 | 1200,0 | 1970 |
| 88100690 | 6 x 25,00 | 0,41 | 34,4 | 1440,0 | 2325 |
| 88100790 | 7 x 25,00 | 0,41 | 34,4 | 1680,0 | 2581 |
| 88100295 | 2 x 35,00 | 0,41 | 27,4 | 672,0 | 1370 |
| 88100395 | 3 x 35,00 | 0,41 | 29,0 | 1008,0 | 1736 |
| 88100495 | 4 x 35,00 | 0,41 | 32,0 | 1344,0 | 2170 |
| 88100296 | 2 x 50,00 | 0,41 | 31,0 | 960,0 | 1845 |
| 88100396 | 3 x 50,00 | 0,41 | 33,1 | 1440,0 | 2345 |
| 88100496 | 4 x 50,00 | 0,41 | 36,3 | 1920,0 | 2925 |

Other dimensions and colours are possible on request.