



SABIX® CC 625 S FRNC M Control cable with numbered cores and overall copper screen



AWM Style 21089 75°C 600V CSA AWM I/II A/B 80

Marking for SABIX CC 625 S FRNC M 62341215:
 SAB BRÖCKSKES · D-VIERSEN · 62341215 12 x 1,5 mm² SABIX CC 625 S FRNC M 16 AWG/12c 62341612
 AWM Style 21089 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 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 |
| Wrapping: | PETP foil |
| Screen: | tinned copper braiding |
| Sheath material: | SABIX® |
| Sheath colour: | grey (RAL 7000) |

| Technical data: | |
|--|---|
| Nominal voltage: | UL/CSA: 600 V DIN VDE: U ₀ /U 300/500 V |
| Testing voltage: | 3000 V acc. to DIN VDE 0281 part 2 + HD 21.2 core/screen 2000 V |
| Min. bending radius | |
| <i>fixed laying:</i> | 5 x d |
| <i>flexible application:</i> | 10 x d |
| Temperature range | UL: up to +75 °C CSA: up to +80 °C |
| <i>fixed laying:</i> | DIN VDE: -40/+90 °C |
| <i>flexible application:</i> | -30/+90 °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, CSA FT1 |
| 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 |

| Outstanding features: | |
|-----------------------|--|
| ▶ | halogen-free |
| ▶ | UL recognized, CSA approved |
| ▶ | no flame propagation |
| ▶ | good EMC characteristics* |
| ▶ | flame retardant and self-extinguishing |
| ▶ | flexible |
| ▶ | EAC approval |

* Copper braiding should be connected circularly to optimize the EMC characteristics

| item no. | no. of cores | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|---|--------------|-----------------|---------------------|----------------------|
| ▶ 20 AWG (17/32) • 0,50 mm² | | | | |
| 62340205 | 2 | 5,7 | 20,8 | 45 |
| 62340305 | 3 | 6,0 | 26,0 | 54 |
| 62340405 | 4 | 6,4 | 32,2 | 64 |
| 62340505 | 5 | 7,0 | 38,7 | 76 |
| 62340705 | 7 | 7,6 | 50,3 | 96 |
| 62340805 | 8 | 8,9 | 58,4 | 121 |
| 62340905 | 9 | 9,4 | 63,6 | 131 |
| 62341005 | 10 | 9,6 | 70,6 | 136 |
| 62341205 | 12 | 9,8 | 80,9 | 152 |
| 62341405 | 14 | 10,7 | 103,4 | 188 |
| 62341605 | 16 | 11,2 | 113,8 | 206 |
| 62341805 | 18 | 12,0 | 128,3 | 234 |
| 62342505 | 25 | 13,8 | 168,2 | 306 |
| 62343005 | 30 | 15,0 | 198,0 | 361 |
| 62343405 | 34 | 16,3 | 239,4 | 429 |
| 62344005 | 40 | 17,6 | 278,3 | 503 |
| 62344105 | 41 | 17,6 | 283,4 | 514 |
| 62346105 | 61 | 20,2 | 395,6 | 693 |
| ▶ 19 AWG (23/32) • 0,75 mm² | | | | |
| 62340207 | 2 | 6,2 | 25,1 | 52 |
| 62340307 | 3 | 6,5 | 33,3 | 64 |
| 62340407 | 4 | 7,0 | 41,8 | 77 |
| 62340507 | 5 | 7,8 | 50,4 | 94 |
| 62340707 | 7 | 8,4 | 67,8 | 118 |
| 62340807 | 8 | 9,8 | 76,9 | 145 |
| 62340907 | 9 | 10,8 | 100,4 | 181 |
| 62341007 | 10 | 11,0 | 103,7 | 182 |
| 62341207 | 12 | 11,3 | 122,2 | 207 |
| 62341407 | 14 | 12,0 | 136,8 | 235 |
| 62341607 | 16 | 12,6 | 151,5 | 259 |
| 62341807 | 18 | 13,2 | 169,3 | 286 |
| 62342507 | 25 | 16,3 | 245,1 | 416 |
| 62343007 | 30 | 16,8 | 281,4 | 468 |
| 62343407 | 34 | 18,2 | 318,5 | 534 |
| 62344007 | 40 | 19,7 | 370,3 | 625 |
| 62344107 | 41 | 19,7 | 377,5 | 635 |
| 62346107 | 61 | 22,9 | 532,4 | 879 |

| item no. | no. of cores | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|--|--------------|-----------------|---------------------|----------------------|
| ▶ 18 AWG (30/32) • 1,00 mm² | | | | |
| 62340210 | 2 | 6,4 | 30,9 | 58 |
| 62340310 | 3 | 6,8 | 41,8 | 73 |
| 62340410 | 4 | 7,3 | 51,5 | 87 |
| 62340510 | 5 | 8,0 | 63,7 | 107 |
| 62340710 | 7 | 8,9 | 84,6 | 139 |
| 62340810 | 8 | 10,1 | 96,2 | 165 |
| 62340910 | 9 | 11,2 | 118,2 | 200 |
| 62341010 | 10 | 11,4 | 131,8 | 210 |
| 62341210 | 12 | 11,9 | 151,2 | 241 |
| 62341410 | 14 | 12,4 | 170,6 | 268 |
| 62341810 | 18 | 13,9 | 216,7 | 340 |
| 62342510 | 25 | 16,9 | 312,8 | 483 |
| 62343010 | 30 | 17,7 | 361,3 | 556 |
| 62343410 | 34 | 19,1 | 400,7 | 629 |
| 62344010 | 40 | 20,6 | 467,1 | 730 |
| 62344110 | 41 | 20,6 | 476,7 | 742 |
| 62346110 | 61 | 24,0 | 687,8 | 1042 |
| ▶ 16 AWG (27-29/30) • 1,50 mm² | | | | |
| 62340215 | 2 | 7,0 | 41,8 | 71 |
| 62340315 | 3 | 7,5 | 57,5 | 92 |
| 62340415 | 4 | 8,1 | 73,4 | 113 |
| 62340515 | 5 | 9,0 | 89,4 | 139 |
| 62340715 | 7 | 9,8 | 120,1 | 178 |
| 62340815 | 8 | 11,8 | 151,1 | 236 |
| 62340915 | 9 | 12,5 | 165,8 | 259 |
| 62341015 | 10 | 12,8 | 183,6 | 272 |
| 62341215 | 12 | 13,3 | 212,5 | 313 |
| 62341415 | 14 | 13,9 | 245,5 | 354 |
| 62341815 | 18 | 15,8 | 324,1 | 464 |
| 62342515 | 25 | 19,2 | 441,8 | 644 |
| 62343015 | 30 | 19,8 | 514,5 | 734 |
| 62343415 | 34 | 21,4 | 581,2 | 835 |
| 62344015 | 40 | 23,1 | 669,4 | 963 |
| 62344115 | 41 | 23,1 | 683,8 | 972 |
| 62346115 | 61 | 27,1 | 992,6 | 1403 |

| item no. | no. of cores | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|--|--------------|-----------------|---------------------|----------------------|
| ▶ 14 AWG (46/36) • 2,50 mm² | | | | |
| 62340225 | 2 | 8,3 | 63,8 | 101 |
| 62340325 | 3 | 9,0 | 89,4 | 136 |
| 62340425 | 4 | 9,7 | 115,3 | 168 |
| 62340525 | 5 | 11,0 | 151,7 | 220 |
| 62340725 | 7 | 12,1 | 204,1 | 286 |
| 62340825 | 8 | 14,1 | 236,0 | 346 |
| 62340925 | 9 | 15,2 | 260,4 | 386 |
| 62341025 | 10 | 15,7 | 304,8 | 428 |
| 62341225 | 12 | 16,4 | 353,1 | 493 |
| 62341825 | 18 | 19,3 | 513,9 | 712 |
| 62342525 | 25 | 23,4 | 693,5 | 965 |
| ▶ 12 AWG (52/28) • 4,00 mm² | | | | |
| 62340340 | 3 | 10,6 | 146,8 | 205 |
| 62340440 | 4 | 11,5 | 189,5 | 256 |
| 62340540 | 5 | 12,8 | 231,6 | 316 |
| 62340740 | 7 | 14,1 | 312,8 | 412 |
| ▶ 10 AWG (78/28) • 6,00 mm² | | | | |
| 62340360 | 3 | 12,3 | 208,9 | 284 |
| 62340460 | 4 | 13,6 | 270,2 | 362 |
| 62340560 | 5 | 15,1 | 332,3 | 449 |
| ▶ 8 AWG (77/26) • 10,00 mm² | | | | |
| 62340461 | 4 | 18,3 | 457,8 | 636 |
| 62340561 | 5 | 20,2 | 562,9 | 783 |
| ▶ 6 AWG (119/26) • 16,00 mm² | | | | |
| 62340462 | 4 | 22,2 | 706,7 | 927 |
| ▶ 4 AWG (196/26) • 25,00 mm² | | | | |
| 62340463 | 4 | 27,4 | 1074,8 | 1450 |
| ▶ 2 AWG (280/26) • 35,00 mm² | | | | |
| 62340464 | 4 | 31,3 | 1471,8 | 1959 |

Other dimensions and colours are possible on request.