



## S 900 Continuously flexible PVC/PVC single conductor



07670601 AWM Style 10455 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2

SAB BRÖCKSKES · D-VIERSEN · 07671362 16,0 mm<sup>2</sup> S 900 6 AWG 07670601 AWM Style 10455 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2

Marking for S 900 07671362:

### Construction:

|                         |  |
|-------------------------|--|
| <b>Conductor:</b>       | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6 |
| <b>Insulation:</b>      | PVC, TI2<br>acc. to DIN VDE 0281 part 1 + HD 21.1                  |
| <b>Wrapping:</b>        | non-woven tape   |
| <b>Sheath material:</b> | PVC, TM5<br>acc. to DIN VDE 0281 part 1 + HD 21.1                  |
| <b>Sheath colour:</b>   | black (RAL 9005)   |

### Outstanding features:

- ▶ highly flexible single conductor for use in cable tracks

### Technical data:

|  |   |                                 |
|--|---|---------------------------------|
| <b>Nominal voltage:</b>  | DIN VDE: U <sub>o</sub> /U 0,6/1 kV   |                                 |
| <b>Voltage:</b>  | UL/CSA: 600 V   |                                 |
| <b>Min. bending radius</b><br><i>continuously flexible:</i>                      | 7,5 x d   |                                 |
| <b>Radiation resistance:</b>   | 8 x 10 <sup>7</sup> cJ/kg   |                                 |
| <b>Temperature range</b><br><i>fixed laying:</i><br><i>flexible application:</i> | DIN VDE<br>-40/+70°C  | UL/CSA: up to +90°C<br>+5/+70°C |
| <b>Fire performance:</b>   | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 + FT2 |                                 |
| <b>Oil resistance:</b>   | very good - PVC TM5 acc. to DIN VDE 0281 part 1 + HD 21.1   |                                 |
| <b>Absence of harmful substances:</b>  | acc. to RoHS directive of the European Union see page N/14  |                                 |

B  
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#### Colour of insulation: ▶ black

| item no. | no. of cores<br>x cross section<br>n x mm <sup>2</sup> | largest<br>single wire<br>ø mm | AWG/<br>MCM       | outer-ø<br>± 5%<br>mm | copper<br>figure<br>kg/km | cable<br>weight<br>≈ kg/km | ampere<br>at 30°C |
|----------|--|--------------------------------|-------------------|-----------------------|---------------------------|----------------------------|-------------------|
| 07671315 | 1 x 1,50   | 0,16                           | 16 (84/34)        | 4,9                   | 14,4                      | 38                         | 24                |
| 07671325 | 1 x 2,50   | 0,16                           | 14 (140/34)       | 5,8                   | 24,0                      | 55                         | 32                |
| 07671340 | 1 x 4,00   | 0,16                           | 12 (224/34)       | 6,6                   | 38,4                      | 77                         | 42                |
| 07671360 | 1 x 6,00   | 0,21                           | 10 (186/32)       | 7,3                   | 57,6                      | 104                        | 54                |
| 07671361 | 1 x 10,00  | 0,21                           | 8 (320/32)        | 9,1                   | 96,0                      | 161                        | 73                |
| 07671362 | 1 x 16,00  | 0,21                           | 6 (512/32)        | 10,1                  | 153,6                     | 231                        | 98                |
| 07671363 | 1 x 25,00  | 0,21                           | 4 (798/32)        | 12,0                  | 240,0                     | 337                        | 129               |
| 07671364 | 1 x 35,00  | 0,21                           | 2 (1083/28)       | 13,7                  | 336,0                     | 454                        | 158               |
| 07671365 | 1 x 50,00  | 0,31                           | 1 (703/28)        | 15,8                  | 480,0                     | 632                        | 198               |
| 07671385 | 1 x 54,00  | 0,31                           | 1/0 (779/28)      | 16,3                  | 518,4                     | 677                        | 213               |
| 07671386 | 1 x 68,00  | 0,31                           | 2/0 (969/28)      | 17,1                  | 652,8                     | 789                        | 226               |
| 07671366 | 1 x 70,00  | 0,31                           | 2/0 (988/28)      | 17,3                  | 672,0                     | 803                        | 245               |
| 07671387 | 1 x 86,00  | 0,31                           | 3/0 (1218/28)     | 19,7                  | 825,6                     | 1036                       | 263               |
| 07671367 | 1 x 95,00  | 0,31                           | 3/0 (1340/28)     | 21,0                  | 912,0                     | 1146                       | 292               |
| 07671388 | 1 x 108,00   | 0,31                           | 4/0 (1528/28)     | 22,5                  | 1036,8                    | 1286                       | 313               |
| 07671368 | 1 x 120,00   | 0,31                           | 4/0 (1680/28)     | 22,8                  | 1152,0                    | 1401                       | 344               |
| 07671389 | 1 x 127,00   | 0,31                           | 250 MCM (1799/28) | 23,3                  | 1220,8                    | 1490                       | 370               |
| 07671369 | 1 x 150,00   | 0,31                           | 250 MCM (2122/28) | 24,6                  | 1440,0                    | 1724                       | 391               |
| 07671390 | 1 x 152,00   | 0,31                           | 300 MCM (2154/28) | 24,6                  | 1461,7                    | 1724                       | 396               |
| 07671391 | 1 x 177,00   | 0,41                           | 350 MCM (1443/26) | 26,7                  | 1740,8                    | 2051                       | 430               |
| 07671370 | 1 x 185,00   | 0,41                           | 350 MCM (1472/26) | 26,7                  | 1776,0                    | 2085                       | 448               |
| 07671392 | 1 x 204,00   | 0,41                           | 400 MCM (1628/26) | 30,4                  | 1964,0                    | 2411                       | 470               |
| 07671393 | 1 x 232,00   | 0,41                           | 450 MCM (1850/26) | 31,5                  | 2231,8                    | 2693                       | 490               |
| 07671371 | 1 x 240,00   | 0,41                           | 450 MCM (1910/26) | 31,5                  | 2304,0                    | 2763                       | 528               |
| 07671394 | 1 x 255,00   | 0,41                           | 500 MCM (2035/26) | 31,8                  | 2455,0                    | 2920                       | 535               |
| 07671395 | 1 x 283,00   | 0,41                           | 550 MCM (2257/26) | 33,6                  | 2722,8                    | 3399                       | 560               |
| 07671372 | 1 x 300,00   | 0,41                           | 550 MCM (2388/26) | 34,3                  | 2880,0                    | 3403                       | 608               |
| 07671396 | 1 x 306,00   | 0,41                           | 600 MCM (2442/26) | 34,3                  | 2946,0                    | 3466                       | 613               |

from 283 mm<sup>2</sup> only UL recognition.  
Other dimensions and colours are possible on request.



On request with  
**green-yellow  
insulation**