

Continuous Flex Cables for Track

S 960 P

Continuous flex polyurethane control cable for small bending radius



80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



Marking for S 960 P 7761607:

SAB BRÖCKSKES · D-VIERSEN · 7760715 7 x 1.5 mm² S 960 P 16 AWG/7c 7761607 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

B
20

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, VDE 0295, class 6 |
| Insulation: | PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3 |
| Color code: | black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors |
| Stranding: | specially adjusted layering with non-woven tape over each layer |
| Jacket material: | PU acc. to UL 758 with matte surface |
| Jacket color: | gray (RAL 7000) |

Outstanding features:



- very good oil resistance
- very good chemical resistance
- high abrasion resistance
- very good flexibility

Technical data:

| | | |
|--|--|--|
| Nominal voltage: | Uo/U 300/500 V | |
| Voltage UL/CSA: | 600 V | |
| Testing voltage: | conductor/conductor: 2000 V | |
| Min. bending radius: <i>continuously flexing:</i> | 7.5 x O.D. | |
| Radiation resistance: | 5 x 10 ⁷ cJ/kg | |
| Temperature range: <i>static:</i> <i>flexing:</i> | DIN VDE -40/+70°C | UL/CSA: up to +80°C +5/+70°C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1, CSA FT1, FT2 | |
| Oil resistance: | very good- oil rating 60°C acc. to UL 758 | |
| Chemical resistance: | good against acids, alkalines, solvents, hydraulic liquids, etc. | |
| Approvals: | UR AWM, CSA AWM, CE, EAC, RoHS | |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see page O/30 | |

| item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight ≈lbs/mft |
|---|--------------------------------|----------------------|------|-----------------------|
| ▶ 20 AWG (≈ 28/34) ▪ 0.50 mm² | | | | |
| 7762002 | 2 | 0.252 | 6.4 | 31 |
| 7762003 | 3 | 0.264 | 6.7 | 36 |
| 7762004 | 4 | 0.280 | 7.1 | 42 |
| 7762005 | 5 | 0.303 | 7.7 | 52 |
| 7762007 | 7 | 0.346 | 8.8 | 70 |
| 7762012 | 12 | 0.413 | 10.5 | 97 |
| 7762018 | 18 | 0.472 | 12.0 | 134 |
| 7762025 | 25 | 0.563 | 14.3 | 180 |
| 7762034 | 34 | 0.598 | 15.2 | 234 |
| 7762050 | 50 | 0.728 | 18.5 | 245 |
| 7762061 | 61 | 0.787 | 20.0 | 298 |
| ▶ 19 AWG (≈ 42/34) ▪ 0.75 mm² | | | | |
| 7761902 | 2 | 0.268 | 6.8 | 37 |
| 7761903 | 3 | 0.280 | 7.1 | 42 |
| 7761904 | 4 | 0.299 | 7.6 | 50 |
| 7761905 | 5 | 0.323 | 8.2 | 60 |
| 7761907 | 7 | 0.374 | 9.5 | 81 |
| 7761912 | 12 | 0.445 | 11.3 | 115 |
| 7761918 | 18 | 0.516 | 13.1 | 161 |
| 7761925 | 25 | 0.622 | 15.8 | 221 |
| 7761934 | 34 | 0.689 | 17.5 | 225 |
| 7761950 | 50 | 0.787 | 20.0 | 400 |
| 7761961 | 61 | 0.925 | 23.5 | 525 |
| ▶ 18 AWG (≈ 56/34) ▪ 1.00 mm² | | | | |
| 7761802 | 2 | 0.276 | 7.0 | 41 |
| 7761803 | 3 | 0.287 | 7.3 | 47 |
| 7761804 | 4 | 0.311 | 7.9 | 57 |
| 7761805 | 5 | 0.335 | 8.5 | 69 |
| 7761807 | 7 | 0.386 | 9.8 | 88 |
| 7761812 | 12 | 0.461 | 11.7 | 136 |
| 7761818 | 18 | 0.535 | 13.6 | 200 |
| 7761825 | 25 | 0.646 | 16.4 | 263 |
| 7761834 | 34 | 0.709 | 18.0 | 350 |
| 7761850 | 50 | 0.878 | 22.3 | 527 |
| 7761861 | 61 | 0.961 | 24.4 | 648 |

| item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight ≈lbs/mft |
|--|--------------------------------|----------------------|------|-----------------------|
| ▶ 16 AWG (≈ 84/34) ▪ 1.50 mm² | | | | |
| 7761602 | 2 | 0.299 | 7.6 | 50 |
| 7761603 | 3 | 0.315 | 8.0 | 60 |
| 7761604 | 4 | 0.339 | 8.6 | 73 |
| 7761605 | 5 | 0.366 | 9.3 | 90 |
| 7761607 | 7 | 0.425 | 10.8 | 124 |
| 7761612 | 12 | 0.508 | 12.9 | 181 |
| 7761618 | 18 | 0.594 | 15.1 | 263 |
| 7761625 | 25 | 0.720 | 18.3 | 355 |
| 7761634 | 34 | 0.803 | 20.4 | 467 |
| 7761650 | 50 | 0.976 | 24.8 | 710 |
| 7761661 | 61 | 1.091 | 27.7 | 861 |
| ▶ 14 AWG (≈ 140/34) ▪ 2.50 mm² | | | | |
| 7761402 | 2 | 0.362 | 9.2 | 74 |
| 7761403 | 3 | 0.382 | 9.7 | 91 |
| 7761404 | 4 | 0.413 | 10.5 | 113 |
| 7761405 | 5 | 0.453 | 11.5 | 136 |
| 7761407 | 7 | 0.531 | 13.5 | 181 |
| 7761412 | 12 | 0.654 | 16.6 | 293 |
| 7761418 | 18 | 0.783 | 19.9 | 428 |
| 7761425 | 25 | 1.00 | 25.4 | 619 |
| ▶ 12 AWG (≈ 224/34) ▪ 4.00 mm² | | | | |
| 7761203 | 3 | 0.465 | 11.8 | 139 |
| 7761204 | 4 | 0.469 | 11.9 | 165 |
| 7761205 | 5 | 0.516 | 13.1 | 200 |
| 7761207 | 7 | 0.654 | 16.6 | 277 |
| ▶ 10 AWG (≈ 186/32) ▪ 6.00 mm² | | | | |
| 7761003 | 3 | 0.528 | 13.4 | 203 |
| 7761004 | 4 | 0.571 | 14.5 | 247 |
| 7761005 | 5 | 0.630 | 16.0 | 307 |
| ▶ 8 AWG (≈ 320/32) ▪ 10.00 mm² | | | | |
| 7760804 | 4 | 0.705 | 17.9 | 403 |
| 7760805 | 5 | 0.776 | 19.7 | 503 |

| item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight ≈lbs/mft |
|---|--------------------------------|----------------------|------|-----------------------|
| ▶ 6 AWG (≈ 504/32) ▪ 16.00 mm² | | | | |
| 7760604 | 4 | 0.823 | 20.9 | 575 |
| 7760605 | 5 | 0.953 | 24.2 | 734 |
| ▶ 4 AWG (≈ 760/32) ▪ 25.00 mm² | | | | |
| 7760404 | 4 | 1.020 | 25.9 | 892 |
| 7760405 | 5 | 1.122 | 28.5 | 1088 |
| ▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm² | | | | |
| 7760204 | 4 | 1.150 | 29.2 | 1164 |
| 7760205 | 5 | 1.272 | 32.3 | 1420 |
| ▶ 1 AWG (≈ 703/28) ▪ 50.00 mm² | | | | |
| 7760104 | 4 | 1.350 | 34.3 | 1659 |

Other dimensions and colors are available on request



also available with orange jacket and blue or red conductors