

MINING CABLES

FLEXIMINING® Type W

EPR/CPE portable power cable, UL C(UL) 2000V, -40°C up to 90°C, FTI, FT5, SUN RES OIL RES 90°C WET or DRY, MSHA



ELETTROTEK KABEL® FLEXIMINING® Type W



Construction:

| | |
|----------------------|---|
| Conductor: | finely stranded tinned copper acc. to ASTM B-172 and ICEA S-75-381/NEMA WC58 |
| Separator: | tape separator |
| Insulation: | rubber EPR compound |
| Cores color: | acc. to ICEA S-75-381 sec 3.18, 2 cores: black, white 3 cores: black, white, green, 4 cores: black, white, green, red 5 cores: black, white, green, red, orange |
| Stranding: | in layers + fillers |
| Wrapping: | binder tape |
| Outer sheath: | black (similar to RAL 9005), rubber CPE compound |

Resistance:



Flame test acc. to:
c(UL) FT 1, FT 5

Technical data:

| | |
|------------------------------|--------------------|
| Nominal voltage: | 2 kV |
| Temperature range: | |
| <i>Fixed laying:</i> | - 40°C up to +90°C |
| <i>Flexible application:</i> | - 40°C up to +90°C |
| Min. bending radius: | 6 x D |

Features:

UV, ozone, water, weather, oil, grease and chemical resistant
excellent flexibility
excellent impact and abrasion resistant
on request CSA approval
acc. to ICEA S-75-381/NEMA WC58
acc. to ICEA S-95-658/NEMA WC70
acc. to ASTM B 33
acc. to ASTM B 33
MSHA approval
RoHS and CE approval



UL/CSA Standards:

UL 44

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| Part no. | No. of cores x cross section n x AWG / MCM | Outer-Ø inches/mm ± 10% | Cable weight approx. Lbs/Mft-kg/km | | |
|----------------|--|-------------------------------|--|------|-------|
| 0510017L010A08 | 1 x 8 | 0,44 | 11,2 | 129 | 192 |
| 0510017L010A06 | 1 x 6 | 0,51 | 13 | 188 | 280 |
| 0510017L010A04 | 1 x 4 | 0,55 | 14 | 249 | 371 |
| 0510017L010A02 | 1x 2 | 0,64 | 16,2 | 363 | 540 |
| 0510017L010A01 | 1 x 1 | 0,72 | 18,3 | 439 | 654 |
| 0510017L010A1C | 1x 1/0 | 0,77 | 19,5 | 526 | 783 |
| 0510017L010A2C | 1 x 2/0 | 0,79 | 20 | 625 | 930 |
| 0510017L010A3C | 1 x 3/0 | 0,87 | 22,1 | 757 | 1126 |
| 0510017L010A4C | 1 x 4/0 | 0,88 | 22,5 | 897 | 1335 |
| 0510017L010A5C | 1 x 250 | 1,03 | 26,2 | 1088 | 1619 |
| 0510017L010A7C | 1 x 350 | 1,15 | 29,1 | 1444 | 2149 |
| 0510017L010AAC | 1 x 500 | 1,25 | 31,9 | 1913 | 2846 |
| 0510017L010AFC | 1 x 750 | 1,58 | 40,1 | 2916 | 4341 |
| 0510017L010AGC | 1 x 800 | 1,61 | 41 | 3071 | 4570 |
| 0510017K020A08 | 2 x 8 | 0,83 | 21,1 | 391 | 581 |
| 0510017K020A06 | 2 x 6 | 0,94 | 23,9 | 571 | 849 |
| 0510017K020A04 | 2 x 4 | 1,07 | 27,3 | 793 | 1180 |
| 0510017K020A02 | 2 x 2 | 1,26 | 32,1 | 1142 | 1699 |
| 0510017K020A01 | 2 x 1 | 1,41 | 35,9 | 1357 | 2019 |
| 0510017K020A1C | 2 x 1/0 | 1,51 | 38,3 | 1693 | 2520 |
| 0510017K020A2C | 2 x 2/0 | 1,65 | 41,9 | 1908 | 2840 |
| 0510017K020A3C | 2 x 3/0 | 1,77 | 45,0 | 2600 | 3870 |
| 0510017K020A4C | 2 x 4/0 | 1,92 | 48,8 | 2675 | 3980 |
| 0510017K020A5C | 2 x 250 | 2,10 | 53,3 | 3434 | 5110 |
| 0510017K030A08 | 3 x 8 | 0,91 | 23,1 | 541 | 805 |
| 0510017K030A06 | 3 x 6 | 1,01 | 25,7 | 715 | 1064 |
| 0510017K030A04 | 3 x 4 | 1,05 | 26,5 | 1010 | 1503 |
| 0510017K030A02 | 3 x 2 | 1,32 | 33,6 | 1405 | 2091 |
| 0510017K030A01 | 3 x 1 | 1,51 | 38,4 | 1734 | 2581 |
| 0510017K030A1C | 3 x 1/0 | 1,63 | 41,4 | 2030 | 3010 |
| 0510017K030A2C | 3 x 2/0 | 1,73 | 44,0 | 2566 | 3818 |
| 0510017K030A3C | 3 x 3/0 | 1,85 | 47,0 | 2885 | 4293 |
| 0510017K030A4C | 3 x 4/0 | 1,99 | 50,6 | 3479 | 5177 |
| 0510017K030A5C | 3 x 250 | 2,39 | 60,7 | 4368 | 6500 |
| 0510017K030A7C | 3 x 350 | 2,66 | 67,5 | 5895 | 8772 |
| 0510017K030AAC | 3 x 500 | 2,98 | 75,8 | 7820 | 11638 |
| 0510017K040A08 | 4 x 8 | 0,97 | 24,6 | 656 | 976 |
| 0510017K040A06 | 4 x 6 | 1,11 | 28,3 | 908 | 1352 |
| 0510017K040A04 | 4 x 4 | 1,26 | 32,1 | 1262 | 1878 |
| 0510017K040A02 | 4 x 2 | 1,43 | 36,3 | 1759 | 2618 |
| 0510017K040A01 | 4 x 1 | 1,71 | 43,4 | 2322 | 3456 |
| 0510017K040A1C | 4 x 1/0 | 1,78 | 45,2 | 2721 | 4050 |
| 0510017K040A2C | 4 x 2/0 | 1,89 | 48,0 | 3293 | 4901 |
| 0510017K040A3C | 4 x 3/0 | 2,02 | 51,4 | 3849 | 5729 |
| 0510017K040A4C | 4 x 4/0 | 2,22 | 56,3 | 4765 | 7092 |
| 0510017K040A5C | 4 x 250 | 2,61 | 66,2 | 5579 | 8303 |
| 0510017K040A7C | 4 x 350 | 2,92 | 74,2 | 7329 | 10908 |
| 0510017K040AAC | 4 x 500 | 3,36 | 85,3 | 9896 | 14729 |
| 0510017K050A10 | 5 x 10* | 0,93 | 23,7 | 568 | 837 |
| 0510017K050A08 | 5 x 8 | 1,07 | 27,2 | 776 | 1154 |
| 0510017K050A06 | 5 x 6 | 1,24 | 31,5 | 1024 | 1524 |
| 0510017K050A04 | 5 x 4 | 1,36 | 35,2 | 1432 | 2131 |
| 0510017K050A02 | 5 x 2 | 1,56 | 39,8 | 2051 | 3052 |
| 0510017K050A01 | 5 x 1 | 1,85 | 47,1 | 2665 | 3967 |
| 0510017K050A1C | 5 x 1/0 | 1,98 | 50,4 | 3406 | 5069 |
| 0510017K050A2C | 5 x 2/0 | 2,13 | 54,1 | 3596 | 5351 |
| 0510017K050A3C | 5 x 3/0 | 2,27 | 57,6 | 4728 | 7035 |
| 0510017K050A4C | 5 x 4/0 | 2,46 | 62,6 | 5512 | 8203 |
| 0510017K050A5C | 5 x 250* | 2,72 | 69,0 | 6333 | 9425 |
| 0510017K050AAC | 5 x 500* | 3,50 | 88,9 | - | 17300 |

* Based on ICEA S-75-381/NEMA WC-58, without approvals

Other dimensions and colors available on request.