

ARC - WELDING CABLE EP/CPE 600V

Zero Halogen EP/CPE Welding Cable 105°C Industrial Grade



CONSTRUCTION:

- Conductor:** Fully annealed flexible stranded bare copper per ASTM B-172 Class K
- Separator:** A suitable tape separator between the conductor and insulation
- Insulation:** Ethylene Propylene Rubber (EPR) Type EP Class 35, 105°C Table 50.53 of UL 1581
- Jacket:** CPE Type Class 47, 105°C Table 50.33 of UL 1581
- Color of jacket:** Black; Other colors available

Standard length cable packing: 1000 ft reels; Other forms of packaging available

| FEATURES | APPLICATION |
|---|--|
| <ul style="list-style-type: none"> - Excellent flexibility - Ozone, sun, weather resistant - Rated and flexible at -40°C - Oil resistant - Heat resistant at 105°C | <ul style="list-style-type: none"> - Secondary voltage resistance welding leads - Leads for motors, generators, batteries - For use in underground and open mines |

APPROVALS:

MSHA: P-07-KA050004

| Part Number | Power Conductor Size | Power Conductor Stranding | Nominal Insulation Thickness | Nominal Jacket Thickness | Minimum Insulation + Jacket Thickness | Nominal O.D. | | Approx. Weight | | Maximum Direct Current Resistance 20°C Ω/km | Ampacity (1) 40°C Ambient Temp. |
|-------------|----------------------|---------------------------|------------------------------|--------------------------|---------------------------------------|--------------|------|----------------|--------|---|---------------------------------|
| | AWG or MCM | No. of Stranding | inches | inches | inches | inches | mm | lbs/1000 ft | inches | Ω/km | A |
| WC8MSHA | 8 AWG | 161/30 | 0.024 | 0.039 | 0.054 | 0.297 | 7.5 | 79 | 117 | 2.18 | 60 |
| WC6MSHA | 6 AWG | 253/30 | 0.024 | 0.039 | 0.054 | 0.318 | 8.1 | 110 | 164 | 1.38 | 79 |
| WC4MSHA | 4 AWG | 403/30 | 0.024 | 0.039 | 0.054 | 0.366 | 9.3 | 163 | 242 | 0.865 | 105 |
| WC2MSHA | 2 AWG | 636/30 | 0.024 | 0.039 | 0.054 | 0.429 | 10.9 | 243 | 362 | 0.549 | 138 |
| WC1MSHA | 1 AWG | 798/30 | 0.031 | 0.047 | 0.072 | 0.500 | 12.7 | 316 | 470 | 0.436 | 159 |
| WC1/0MSHA | 1/0 AWG | 1016/30 | 0.031 | 0.047 | 0.072 | 0.555 | 14.1 | 392 | 584 | 0.345 | 183 |
| WC2/0MSHA | 2/0 AWG | 1261/30 | 0.031 | 0.047 | 0.072 | 0.598 | 15.1 | 470 | 709 | 0.276 | 208 |
| WC3/0MSHA | 3/0 AWG | 1590/30 | 0.031 | 0.047 | 0.072 | 0.669 | 16.9 | 591 | 880 | 0.219 | 241 |
| WC4/0MSHA | 4/0 AWG | 2007/30 | 0.031 | 0.047 | 0.072 | 0.716 | 18.1 | 729 | 1085 | 0.173 | 230 |
| WC250MSHA | 250 MCM | 2399/30 | 0.039 | 0.055 | 0.086 | 0.866 | 21.9 | 894 | 1330 | 0.147 | 311 |
| WC350MSHA | 350 MCM | 3327/30 | 0.039 | 0.055 | 0.086 | 0.952 | 24.1 | 1202 | 1790 | 0.106 | 386 |
| WC500MSHA | 500 MCM | 4746/30 | 0.039 | 0.055 | 0.086 | 1.129 | 28.6 | 1694 | 2521 | 0.0743 | 486 |

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

STANDARD PRINT LEGEND:

TF CABLE (SIZE) ARC WELDING CABLE 600V OIL RESISTANT -40C +105C P-07-KA050004-MSHA

