

ARC - WELDING CABLE EP/CPE 600V

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

