



ARC-WELDING CABLE EP/CPE 105°C

600 V

UL 1581, UL 44

EP/CPE 105°C Insulated Welding Cable

APPLICATIONS

- Secondary voltage resistant welding leads
- Leads for motors, generators, batteries
- Power supply applications not exceeding 600 V A.C
- Other industrial applications

CONSTRUCTION

Conductors	Flexible stranded bare copper per ASTM B 172 Class K
Separator	Paper separator between conductor and insulation
Insulation	Ethylene-propylene rubber (EPR) Type EP Class 35, 105°C, Table 50.53 of UL 1581
Jacket	Type CPE Class 47, 105°C, Table 50.33 of UL 1581
Color of sheath	Black, others color available upon request

Features

Excellent flexibility	Oil resistant, Flame retardant
Ozone, sun, weather resistant	Heat resistant at 105°C
Rated and flexible at -50°C	



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Approvals

MSHA:

P-07-KA050004-MSHA

Standard length cable packing

1000ft on drums. Other forms of packing and delivery are available on request

Part number	Size	Conductor Strand	Nominal Thickness of Insulation	Nominal Thickness of Jacket	Minimum Total Thickness Inner and Outer Layer	Approx. O.D.	Approx. Weight		Maximum Direct Current Resistance at 20°C	Ampacity(1)
	AWG/ MCM	No./AWG	Inches	Inches	Inches	Inches	lbs/ 1000ft	kg/km	Ω/km	A
WC8	8AWG	161/30	0.024	0.039	0.054	0.305	80	119	2.18	100
WC6	6AWG	253/30	0.024	0.039	0.054	0.318	110	163	1.38	133
WC4	4AWG	403/30	0.024	0.039	0.054	0.366	163	242	0.865	179
WC2	2AWG	636/30	0.024	0.039	0.054	0.429	243	362	0.549	237
WC1	1AWG	798/30	0.033	0.047	0.072	0.498	317	472	0.436	284
WC1/0	1/0AWG	1016/30	0.033	0.047	0.072	0.555	393	585	0.345	327
WC2/0	2/0AWG	1261/30	0.033	0.047	0.072	0.598	477	710	0.276	377
WC3/0	3/0AWG	1590/30	0.033	0.047	0.072	0.665	591	880	0.219	449
WC4/0	4/0AWG	2007/30	0.033	0.047	0.072	0.716	729	1085	0.173	514
WC250	250MCM	2399/30	0.040	0.055	0.086	0.866	894	1330	0.147	577
WC350	350MCM	3327/30	0.040	0.055	0.086	0.952	1202	1790	0.106	719
WC500	500MCM	4746/30	0.040	0.055	0.086	1.122	1672	2488	0.0743	908

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

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