

PORTABLE POWER CABLE

Extra Flexible Welding Cable

Premium Grade • Extra Hard Usage • Color Jacket
6 - 4/0 AWG • 600V • 105°C to -55°C

FEATURES

- Excellent flexibility to last longer in flex applications (Class M #34 Stranding)
- Abrasion resistant
- Resists oils, solvents and chemicals
- Flexible at -55°C for use in cold environments
- Ozone and weather resistant
- Orange jacket for high visibility
- Improved service life, saving money in replacement costs, maintenance costs and downtime
- Meets NEC flame requirement for welding cable
- Rated +105°C for overload, etc.

APPLICATIONS

Designed for welding cable use where exposed to temperature extremes, extra hard usage, and severe environmental extremes.

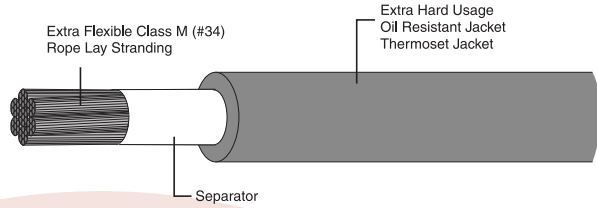
CONSTRUCTION

Conductors

Bare annealed copper per ASTM B-3.
 34 AWG rope lay strand per ASTM B-172.

Jacket

Extra hard usage, oil resistant, thermoset (orange) CPE per ASTM D-4313.



Separator

A tape separator is applied between the conductor and insulation to facilitate stripping.

Cable Identification

Surface print on jacket:
 "(size) AWG (or KCMIL) Extra Flexible Welding Cable -55°C to +105°C 600V Oil Resistant"

PART NUMBER	SIZE	STRANDING	NOMINAL O.D.	AMPS ¹	SHIP WT. LBS./M FT.
05-1119	6	665x34	.370	115	152
05-1121	4	1045x34	.420	150	211
05-1123	2	1650x34	.490	205	302
05-1125	1	2090x34	.530	240	364
05-1127	1/0	2640x34	.610	285	464
05-1129	2/0	3300x34	.650	325	549
05-1131	3/0	4180x34	.720	380	682
05-1133	4/0	5225x34	.830	440	871

¹Ampacity ratings are based on continuous use at 105°C conductor temperature and 30°C ambient temperature. Ampacities will be greater when used for intermittent welding applications.

Welding Cable

Black Thermoset Jacket • 6 AWG • 500 MCM • 600 Volts • 105°C to -50°C

FEATURES

- Extra-Flexible Stranding
- 105°C, 600 volt rating
- Resistant to cuts, tears and abrasion
- Moisture resistant
- MSHA Approved

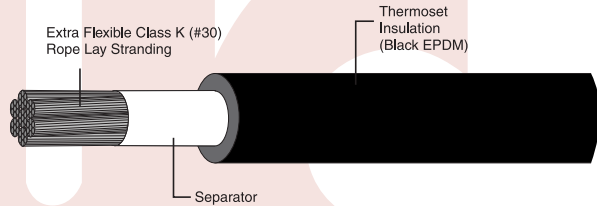
APPLICATIONS

Designed for welding cable use where resistance to cuts, tears and abrasion is required.

CONSTRUCTION

Conductor

Bare, annealed copper per ASTM B-3
 30 AWG rope lay stranded per ASTM B-172.



Separator

A tape separator is applied between the conductor and insulation to facilitate stripping.

Jacket

Thermoset (black) EPDM or elastomer oil resistant jacket. Colors available upon request.

Cable Identification

Surface print on jacket:
 "(size) AWG (or KCMIL) 600V 105°C Welding Cable"

PART NUMBER	SIZE	STRANDING	NOMINAL O.D.	AMPS ¹	SHIP WT. LBS./M FT.
05-1135	6	259x30	.340	115	128
05-1137	4	413x30	.370	150	180
05-1139	2	651x30	.435	205	312
05-1141	1	826x30	.515	240	392
05-1143	1/0	1050x30	.570	285	474
05-1145	2/0	1308x30	.620	325	552
05-1147	3/0	1656x30	.670	380	709
05-1149	4/0	2088x30	.740	440	860
05-1151	250	2516x30	.860	495	1054
05-1153	350	3478x30	.970	680	1417
05-1155	500	5002x30	1.150	720	1996

¹Ampacity ratings are based on continuous use. Ampacities will be greater when used for intermittent welding applications.

WELDING CABLE SIZE SELECTION GUIDE									
AMPS	DISTANCE FROM WELDING EQUIPMENT								
	50'	75'	100'	125'	150'	200'	250'	300'	350'
100	4	4	2	1	1/0	2/0	3/0	4/0	4/0
150	3	2	1/0	1/0	2/0	4/0			
200	2	1/0	2/0	3/0	4/0				
250	1	1/0	3/0	4/0					
300	1/0	2/0	4/0						
350	2/0	3/0	4/0						
400	3/0	4/0							
450	3/0	4/0							
500	4/0								
500	4/0								
550	4/0								

NOTES: Distances shown are half the length of cable required. For total cable length of welding lead and ground lead, double the distance shown.
 4 Volts Max. drop. Nominal DC Res @ 25°C per ICEA S-19-81 Table 7.5.1.

Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.