



WELDING CABLE

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Neoprene OR EPDM

600 Volt 90°C

Conductor: 6 GA through 500 MCM fully annealed stranded bare copper per ASTM B-172r.

Jacket: Neoprene Jacket or a EPDM Jacket in Black and Red is also available.

Applications:

- Secondary voltage resistance welding leads
- Power supply applications not exceeding 600 volts A.C.

Features:

- Great Flexibility
- Abrasion resistance
- Good color retention

AWC P/N	GAUGE SIZE	CONDUCTOR STRANDING	NOMINAL INCHES	O.D. MM	WEIGHT LBS/MFT
WELD-6	6	259/30	.350	8.9	132
WELD-4	4	420/30	.420	10.7	192
WELD-3	3	532/30	.450	11.4	230
WELD-2	2	665/30	.480	12.2	277
WELD-1	1	836/30	.520	13.2	329
WELD-1/0	1/0	1045/30	.580	14.7	422
WELD-2/0	2/0	1330/30	.640	16.2	523
WELD-3/0	3/0	1672/30	.700	17.8	656
WELD-4/0	4/0	2109/30	.820	20.8	835
WELD-250	250	2499/30	.930	23.6	925
WELD-350	350	3432/30	1.055	26.8	1260
WELD-500	500	5054/30	1.200	30.48	1875

WELDING CABLE AMPACITIES

AMPS	100'	150'	200'	250'	300'	350'	400'
100	4	4	2	2	1	1/0	1/0
150	4	2	1	1/0	1/0	3/0	3/0
200	2	1	1/0	2/0	3/0		
250	1	1/0	2/0	3/0			
300	1/0	2/0	3/0	4/0			
350	1/0	3/0	4/0				
400	2/0	3/0					
450	2/0	4/0					
500	3/0	4/0					
550	3/0	4/0					
600	4/0						

Length in feet for total circuit secondary voltages only do not use this table for 600 volt applications. Total circuit length includes both welding and ground leads (based on 4-volt drop) 60% duty cycle

Suggested Ampacities:

For 600 Volt In-Line Applications

GAUGE	AMPERES	GAUGE	AMPERES
500MCM	695	1/0	160
350MCM	552	1	140
250MCM	445	2	110
4/0	310	4	100
3/0	265	6	75
2/0	180		

Ampacities for portable cable, continuous duty (Ambient Temperature of 40 C). May not be suitable for all installations per NEC.

Allied Wire & Cable, Inc

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