

**RECOMMENDED WIRE SIZES, FUSE SIZES AND DISCONNECT SWITCH SIZES**

WELDER KVA	WIRE USE	WIRE SIZE 208/280V	DISCON SWITCH RATING	FUSE RATING AT 250 V	WIRE SIZE AT 460 V	DISCON SWITCH AT 600 V	FUSE RATING AT 600 V	WIFE SIZE AT 550 V	DISCON SWITCH RATING AT 600 V	FUSE RATING AT 600V
5	SPOT	#6	30A	30A	#12	30A	15A	#12	30A	10A
10	SPOT	#4	60	40A	#10	30A	20A	#10	30A	15A
15	SPOT	#2	60	50A	#8	30A	30A	#8	30A	25A
20	SPOT	#1	100A	70A	#6	60A	40A	#6	30A	30A
25	SPOT	1/0	100A	80A	#4	60A	50A	#6	60A	40A
30	SPOT	2/0	100A	100A	#2	60A	60A	#4	60A	50A
35	SPOT	3/0	200A	125A	#1	100A	70A	#3	60A	60A
40	SPOT	3/0	200A	150A	#1	100A	80A	#3	60A	60A
50	SPOT	4/0	200A	150A	#1	100A	100A	#2	60A	60A
50	PROJ	250MCM	200A	150A	1/0	100A	100A	#1	60A	60A
65	SPOT	250MCM	200A	175A	1/0	100A	100A	#1	100A	80A
65	PROJ	300MCM	200A	175A	2/0	100A	100A	1/0	100A	80A
75	SPOT	350MCM	400A	250A	1/0	200A	125A	#1	100A	100A
75	PROJ	400MCM	400A	250A	2/0	200A	125A	1/0	100A	100A
100	SPOT	500MCM	400A	350A	2/0	200A	175A	1/0	200A	125A
100	PROJ	600MCM	400A	350A	3/0	200A	175A	2/0	200A	125A
150	SPOT	600MCM	600A	500A	250	400A	250A	4/0	200A	200A
150	PROJ	750MCM	600A	500A	MCM 350	400A	250A	250	200A	200A
200	SPOT	2x400 MCM	600A	600A	MCM 350	400A	350A	MCM 250	400A	300A
200	PROJ	2x500 MCM	600A	600A	MCM 400	400A	350A	MCM 350	400A	300A
300	SPOT	2x600 MCM			MCM 500	600A	500A	MCM 400	400A	400A
300	PROJ	2x750 MCM	CONSULT FACTORY		MCM 600A	600A	500A	MCM 500	400A	400A

For seam welders use the equivalent projection welder recommendations.  
 Above wire sizes are based on a 100 ft. run. Furthermore, it is assumed that all of the allowable voltage drop takes place in this cable and that the customers power supply is inherently stiff. The next smaller size wire may be used for run shorter than 50 feet.  
 All values are recommended only. Installation must be done in accordance to all local codes.