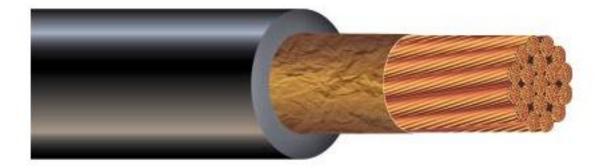
WELDING CABLE

600 Volts. Rated for -55°C to 105°C. Sizes 6 AWG - 500 MCM Good Flexibility. Oil Resistant. Resists Compression, Cuts and Abrasion. Black EPDM Jacket, RoHS Compliant.



APPLICATIONS

Southwire Welding Cables are used for Secondary voltage resistance welding leads. Power supply applications not exceeding 600 volts AC.

SPECIFICATIONS

- ASTM B-3
- ASTM B-172
- RoHS Compliant
- ICEA S-75-381

CONSTRUCTION

Southwire Welding Cables are manufactured using annealed rope-stranded bare copper conductor as per ICEA S-75-381. A paper tape separates the conductor from the insulation to facilitate stripping. A 105° EPDM black jacket is extruded onto the cable.

ALTERNATE CONSTRUCTION

Also available with a red jacket. May be subject to minimum order.





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SUGGESTED AMPACITIES: FOR 600 VOLT IN-LINE APPLICATIONS					
AWG	AMPERES	AWG	AMPERES		
6	115	3/0	380		
4	150	4/0	440		
2	205	250 MCM	495		
1	240	350 MCM	680		
1/0	285	500 MCM	720		
2/0	325				
Ampacities for portable cable, continuo	us-duty (Ambient Temperature of 40° C).	I			

May not be suitable for all installations per National Electrical Code® .





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Black non-UL Welding Cable

SIZE (AWG)	CONDUCTOR STRAND (#/AWG)	NOMINAL OVERALL DIAMETER		APPROX. NET WEIGHT	AMPS	PART NUMBER
		In.	mm	LBS/M'*		
6	273 x 30	0.320	8.128	125	115	500'
4	427 x 30	0.375	9.53	182	150	500'
2	651 x 30	0.440	11.12	271	205	500'
1	840 x 30	0.505	12.87	360	240	500'
1/0	1044 x 30	0.570	12.82	444	285	500'
2/0	1308 x 30	0.605	15.37	535	325	500'
3/0	1653 x 30	0.670	17.02	667	380	500'
4/0	2071 x 30	0.720	18.29	809	440	500'
250 MCM	2516 x 30	0.860	21.84	1048	495	500'
350 MCM	3478 x 30	0.905	22.99	1396	625	500'
500 MCM	5002 x 30	1.110	28.19	1973	765	500'

250', 1000' and 2500' reels also available. Ampacity based on 105°C conductor temperature and 30°C Ambient.





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PS	LENGTH IN FEET FOR TOTAL CIRCUIT FOR SECONDARY VOLTAGES ONLY (DO NOT USE THIS TABLE FOR 600 VOLT IN-LING APPPLICATIONS)						
	50'	100'	150'	200'	250'	300'	350'
100	4	2	1/0	2/0	3/0	4/0	4/0
150	4	1/0	2/0	4/0			
200	2	2/0	4/0				
250	1	3/0					
300	1/0	4/0					
350	2/0	4/0					
400	3/0						
450	3/0						_
500	4/0						
550	4/0						
600							



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