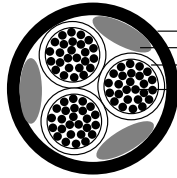


## SOW-A/SOW Cord

### Type SOW-A/SOW Cord

Heavy Duty Cord, 600V/90°C, U.L. File Number E 42543,  
C.S.A. File Number LL 24508, M.S.H.A. Number P-159-18



Oil-Resistant CPE Jacket  
Paper Fillers  
Color-Coded, Free-Stripping EPDM Insulation  
Bunch Stranded Bare Copper Conductor

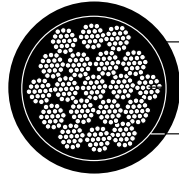
Size AWG	Stranding	Nominal Insulation Thickness (in)	Nominal Jacket Thickness (in)	Nominal Outside Diameter (in)	Current Carrying Capacity (amps)*	Standard Package	Approx. Weight (lbs./1,000 ft.)
18/2	16/30	.030	.060	.357	10	250' Ctn.	79
18/3	16/30	.030	.060	.376	10	250' Ctn.	92
18/4	16/30	.030	.060	.404	7	250' Ctn.	108
16/2	26/30	.030	.060	.381	13	250' Ctn.	88
16/3	26/30	.030	.060	.400	13	250' Ctn.	109
16/4	26/30	.030	.060	.432	10	250' Ctn.	141
16/5	26/30	.030	.080	.508	10	250' Reel	177
12/3	65/30	.045	.095	.608	25	250' Ctn.	241
12/4	65/30	.045	.095	.657	20	250' Ctn.	288
10/3	104/30	.045	.095	.682	30	250' Ctn.	307
10/4	104/30	.045	.095	.713	25	250' Ctn.	373
**8/3	65/26	.047	.095	.750	35	250' Reel	401
**8/4	65/26	.047	.095	.820	28	250' Reel	501
**6/3	105/26	.047	.095	.885	55	250' Reel	570
**6/4	105/26	.047	.095	.950	45	250' Reel	705

\*These ampacities are based on 30°C ambient temperature, per NEC Article #400.

\*\*Not listed by U.L., but made to accepted commercial and manufacturing standards

1,000 reels and larger available.

ExCelene® Welding Cable 600V



- EPDM Insulation
- 30 AWG Bare Copper Strands
- Kraft Paper Separator



**Description:** ESSEX heavy duty ExCELENE® arc welding cable is furnished with 30 gal (class K) flexible soft-drawn electrolytic copper. Kraft paper separates the ExCELENE, a special thermosetting compound, from the bare copper. ExCELENE resists oil, burning, abrasion, cold weather and is rated at 600 volts for intermittent use (up to three hours continuous use.)

**Construction:** Rope stranded copper conductor, paper separator, insulated with oil-resistant ExCELENE compound.

**Sample Print:** 4/0 Essex ExCelene +105C -50C 600V Welding Cable - Reels are marked with sequential numbers each ft.

**Uses:** For connections for electrode holder and clamp to arc welder, bus, welding box or transformer. Also for certain 600 volt cable applications.

Size AWG	Stranding	Conductor O.D. (in)	Nominal Finished O.D. (in)	Approx. Weight (lbs./M ft.)
6	256/30	.199	.370	143
4	413/30	.254	.420	200
3	532/30	.285	.450	243
2	651/30	.320	.490	294
1	840/30	.357	.511	356
1/0	1,050/30	.420	.586	455
2/0	1,323/30	.470	.629	539
3/0	1,666/30	.528	.691	668
4/0	2,107/30	.595	.803	857
250 MCM	2,479/30	.627	.960	950
350 MCM	3,458/30	.768	1.110	1,290
500 MCM	5,054/30	.988	1.290	1,825

Copper Conductor AWG Selection Guide

Amps	Electrode Distance from Welding Equipment (ft.) *1/2 of total circuit length								
	50	75	100	125	150	200	250	300	350
100	4	4	2	2	1	1/0	2/0	3/0	4/0
150	3	3	1	1/0	2/0	3/0	4/0		
200	2	1	1/0	2/0	3/0	4/0			
250	1	1/0	2/0	3/0	4/0				
300	1	2/0	3/0	4/0					
350	1/0	3/0	4/0						
400	2/0	3/0	4/0						
450	3/0	4/0							
500	4/0	4/0							
600	250 MCM								
750	350 MCM								
900	500 MCM								

\*Based on voltage drop of 4 volts per ICEA and NEMA specifications  
Standard Package Information: 250', 500' and single length N/R reels minus 10%-plus 20%