

**Royal® EXCELENE® NON-UL WELDING CABLE. Silicone Free**

600 Volt 105°C Flexible Cord. Heat, Abrasion, Tear Resistant, Moisture and Flexible EPDM Jacket.

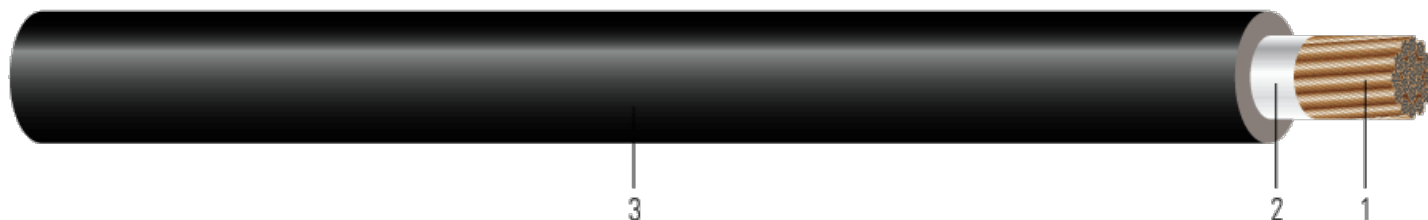


Image not to scale. See Table 1 for dimensions.

**CONSTRUCTION:**

1. **Conductor:** Annealed rope-stranded Class K, bare copper conductor as per ASTM B-3. 30 AWG rope lay strand per ASTM B-172.
2. **Separator:** Paper separator for ease of stripability
3. **Insulation:** EPDM, Black (Other colors available upon request)

**APPLICATIONS AND FEATURES:**

Southwire Excelene Welding cable, Extra Flexible, rated for -50°C to 105°C temperatures. This cable used for secondary voltage resistance welding cable leads, National electrical code Article 630 electric welders and for temporary power industrial applications.

**SPECIFICATIONS:**

- RoHS Compliant Lead-Free, Silicone-Free

**SAMPLE PRINT LEGEND:**

SOUTHWIRE® ROYAL® EXCELENE® XXX KCMIL (XXXmm<sup>2</sup>) WELDING CABLE 600V -50C TO +105C MADE IN USA--  
Sequential Footage Marking--

**PACKAGING:**

Standard lengths: 250', 500' and 1,000' reels. Other lengths available upon request.



**Table 1 – Weights and Measurements**

Stock Number	Cond. Size AWG/Kcmil	Cond. Number Count	Cond. Strands # x AWG	Insul. Thickness mil	Approx. OD inch	Approx. Weight lb/1000ft	Ampacity * Amp
10410	8	1	168	70	0.285	86	80
10411	6	1	259	65	0.305	120	105
10412	4	1	385	60	0.340	167	140
10483^	2	1	651	70	0.420	259	190
10413	2	1	651	70	0.420	259	190
10484	1	1	798	84	0.498	333	220
10414	1	1	798	84	0.498	331	220
10485	1/0	1	1026	85	0.525	411	260
10415**	1/0	1	1026	85	0.525	410	260
10486	2/0	1	1254	85	0.570	465	300
10416	2/0	1	1254	84	0.570	467	300
10487	3/0	1	1615	84	0.617	608	350
10417	3/0	1	1615	93	0.635	620	350
10488	4/0	1	2052	83	0.695	773	405
10418	4/0	1	2052	83	0.695	773	405
F25001	250	1	2451	148	0.875	1014	455
F35003	350	1	3458	137	0.975	1308	570
F50001	500	1	4921	160	1.150	1876	700

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

\* Ampacities are based on TABLE 400.5(A) of the 2017 National Electrical Code and CEC Table 12. The ampacity values assume a continuous sinusoidal 60 Hz current and are for reference only and should not be used as a final value.

^ No metric print legend

\*\* White jacket color



**Table 2 – Weights and Measurements (Metric)**

Stock Number	Cond. Size AWG/Kcmil	Cond. Number Count	Cond. Strands # x AWG	Insul. Thickness mm	Approx. OD mm	Approx. Weight kg/km	Ampacity * Amp
10410	8	1	168	1.78	7.24	128	80
10411	6	1	259	1.65	7.75	179	105
10412	4	1	385	1.52	8.64	249	140
10483^	2	1	651	1.78	10.67	385	190
10413	2	1	651	1.78	10.67	385	190
10484	1	1	798	2.13	12.65	496	220
10414	1	1	798	2.13	12.65	493	220
10485	1/0	1	1026	2.16	13.33	612	260
10415**	1/0	1	1026	2.16	13.33	610	260
10486	2/0	1	1254	2.16	14.48	692	300
10416	2/0	1	1254	2.13	14.48	695	300
10487	3/0	1	1615	2.13	15.67	905	350
10417	3/0	1	1615	2.36	16.13	923	350
10488	4/0	1	2052	2.11	17.65	1150	405
10418	4/0	1	2052	2.11	17.65	1150	405
F25001	250	1	2451	3.76	22.22	1509	455
F35003	350	1	3458	3.48	24.76	1947	570
F50001	500	1	4921	4.06	29.21	2792	700

**Colors and Stock Code**

Size	Stock Code	Color
#6 (259)	1041105	Green
2/0 (1254)	1044603	Orange
3/0 (1615)	1041704	Red
3/0 (1615)	1044703	Orange

