

# Royal® EXCELENE® NON-UL WELDING CABLE

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

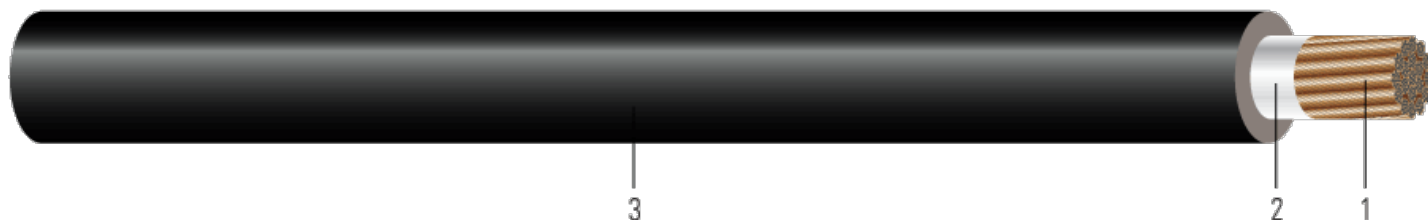


Image not to scale. See Table 1 for dimensions.

## 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 Complaint , 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	Cond. Number	Cond. Strands	Insul. Thickness	Approx. OD	Approx. Weight	Ampacity *
	AWG/Kcmil	Count	# x AWG	mil	inch	lb/1000ft	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
10413	2	1	651	70	0.420	259	190
10414	1	1	798	84	0.498	331	220
10415	1/0	1	1026	85	0.525	410	260
10416	2/0	1	1254	84	0.570	467	300
10417	3/0	1	1615	93	0.635	620	350
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.

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

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Approx. OD	Approx. Weight	Ampacity *
	AWG/Kcmil	Count	# x AWG	mm	mm	kg/km	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
10413	2	1	651	1.78	10.67	385	190
10414	1	1	798	2.13	12.65	493	220
10415	1/0	1	1026	2.16	13.33	610	260
10416	2/0	1	1254	2.13	14.48	695	300
10417	3/0	1	1615	2.36	16.13	923	350
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	GREEN
#6 (259)	1041105

