

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

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

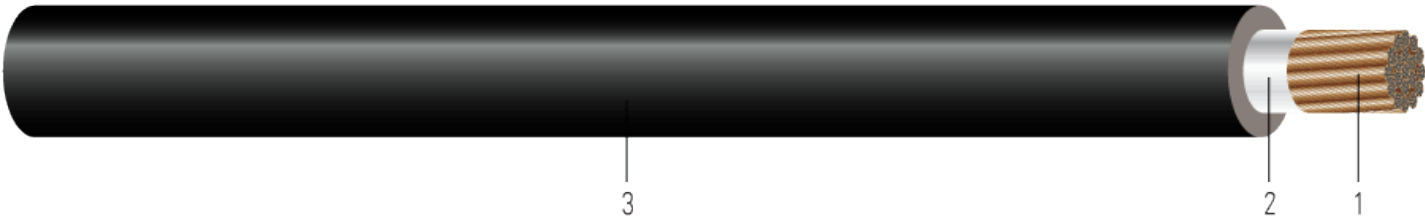


Image not to scale. See Table 1 for dimensions.

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	Cond. Number	Cond. Strands	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity
	AWG/Kcmil	No.	No.	mil	inch	lb/1000ft	Amp
10417	3/0	1	1615	90	0.635	617	350

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)(2) of the 2023 National Electrical Code and CEC Table 12(A). 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	Cond. Number	Cond. Strands	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *
	AWG/Kcmil	No.	No.	mm	mm	kg/km	Amp
10417	3/0	1	1615	2.29	16.13	918	350

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

