

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

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

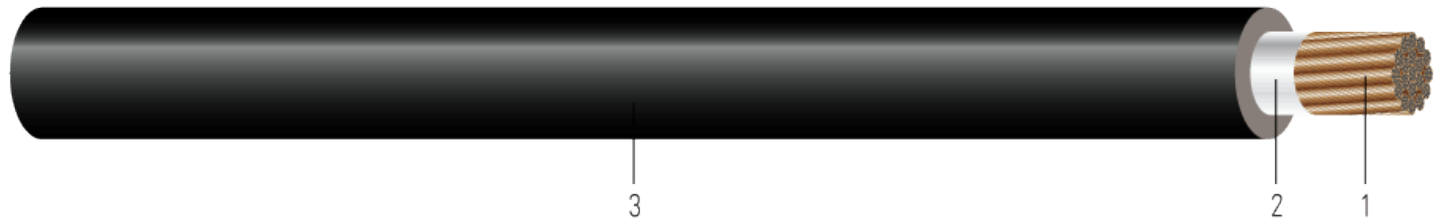


Image not to scale. See Table 1 for dimensions.

**CONSTRUCTION:**

- Conductor:** Annealed rope-stranded Class K, bare copper conductor as per ASTM B-3. 30 AWG rope lay strand per ASTM B-172.
- Separator:** Paper separator for ease of stripability
- 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      |
| 10413        | 2          | 1            | 651           | 70               | 0.420      | 260            | 190      |

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        |
| 10413        | 2          | 1            | 651           | 1.78             | 10.67      | 387            | 190        |

**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 |

