



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

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

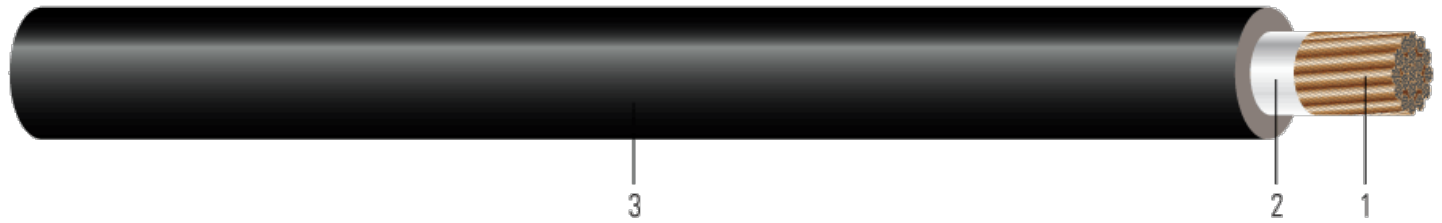


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- 1. Conductor:** Annealed flexible soft drawn bare copper per ASTM B3.
- 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 (XXXmm²) 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 | Insul. Color |
|--------------|------------|--------------|---------------|------------------|------------|----------------|----------|--------------|
| | AWG/Kcmil | No. | No. | mil | inch | lb/1000ft | Amp | |
| 10414 | 1 | 1 | 798 | 85 | 0.498 | 334 | 220 | BK |

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 * | Insul. Color |
|--------------|------------|--------------|---------------|------------------|------------|----------------|------------|--------------|
| | AWG/Kcmil | No. | No. | mm | mm | kg/km | Amp | |
| 10414 | 1 | 1 | 798 | 2.16 | 12.65 | 497 | 220 | BK |

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 |

