

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 flexible soft drawn bare copper per ASTM B3.
- 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 (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 | |
| 104170 | 3/0 | 1 | 1615 | 90 | 0.635 | 617 | 350 | 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.

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

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 | |
| 104170 | 3/0 | 1 | 1615 | 2.29 | 16.13 | 918 | 350 | BK |