

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

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

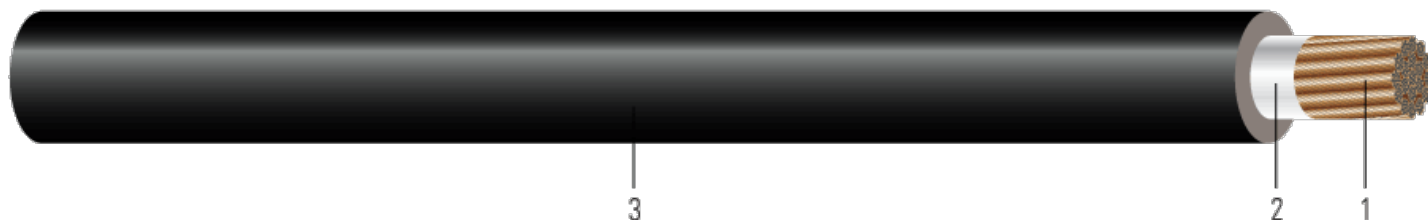


Image not to scale. See Table 1 for dimensions.

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 (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 AWG/Kcmil | Cond. Number Count | Cond. Strands # x AWG | Insul. Thickness mil | Approx. OD inch | Approx. Weight lb/1000ft | Ampacity * 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 |
| 10483^ | 2 | 1 | 651 | 70 | 0.420 | 259 | 190 |
| 10413 | 2 | 1 | 651 | 70 | 0.420 | 259 | 190 |
| 10484 | 1 | 1 | 798 | 84 | 0.498 | 333 | 220 |
| 10414 | 1 | 1 | 798 | 84 | 0.498 | 331 | 220 |
| 10485 | 1/0 | 1 | 1026 | 85 | 0.525 | 411 | 260 |
| 10415 | 1/0 | 1 | 1026 | 85 | 0.525 | 410 | 260 |
| 10486 | 2/0 | 1 | 1254 | 85 | 0.570 | 465 | 300 |
| 10416 | 2/0 | 1 | 1254 | 84 | 0.570 | 467 | 300 |
| 10487 | 3/0 | 1 | 1615 | 84 | 0.617 | 608 | 350 |
| 10417 | 3/0 | 1 | 1615 | 93 | 0.635 | 620 | 350 |
| 10488 | 4/0 | 1 | 2052 | 83 | 0.695 | 773 | 405 |
| 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.

^ No metric print legend



Table 2 – Weights and Measurements (Metric)

| Stock Number | Cond. Size AWG/Kcmil | Cond. Number Count | Cond. Strands # x AWG | Insul. Thickness mm | Approx. OD mm | Approx. Weight kg/km | Ampacity * 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 |
| 10483^ | 2 | 1 | 651 | 1.78 | 10.67 | 385 | 190 |
| 10413 | 2 | 1 | 651 | 1.78 | 10.67 | 385 | 190 |
| 10484 | 1 | 1 | 798 | 2.13 | 12.65 | 496 | 220 |
| 10414 | 1 | 1 | 798 | 2.13 | 12.65 | 493 | 220 |
| 10485 | 1/0 | 1 | 1026 | 2.16 | 13.33 | 612 | 260 |
| 10415 | 1/0 | 1 | 1026 | 2.16 | 13.33 | 610 | 260 |
| 10486 | 2/0 | 1 | 1254 | 2.16 | 14.48 | 692 | 300 |
| 10416 | 2/0 | 1 | 1254 | 2.13 | 14.48 | 695 | 300 |
| 10487 | 3/0 | 1 | 1615 | 2.13 | 15.67 | 905 | 350 |
| 10417 | 3/0 | 1 | 1615 | 2.36 | 16.13 | 923 | 350 |
| 10488 | 4/0 | 1 | 2052 | 2.11 | 17.65 | 1150 | 405 |
| 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 | Stock Code | Color |
|------------|------------|--------|
| #6 (259) | 1041105 | Green |
| 2/0 (1254) | 1044603 | Orange |
| 3/0 (1615) | 1041704 | Red |
| 3/0 (1615) | 1044703 | Orange |

