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

600 Volt 105°C Flexible Cord. Heat, Abrasion, Tear Resistant, Moisture and Flexible EPDM Insulation. Silicone Free and Halogen Free

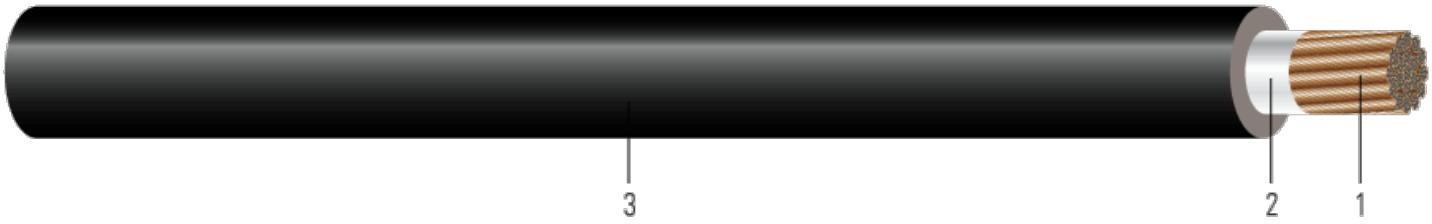


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Annealed flexible soft drawn bare copper per ASTM B3
2. **Separator:** Paper separator for ease of stripability
3. **Insulation:** Black, silicone-free, and halogen-free EPDM (Other colors available upon request)

APPLICATIONS AND FEATURES:

Southwire Excelene® Welding cable are extra flexible and rated for temperatures -50°C to 105°C. This cable used for secondary voltage resistance welding cable leads per National Electrical Code Article 630 electric welders and for temporary power industrial applications.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- RoHS Compliant Lead-Free, Silicone-Free, Halogen Free

SAMPLE PRINT LEGEND:

With Metric Print:
{SQFTG} SOUTHWIRE® ROYAL® EXCELENE® XX (XXmm2) WELDING CABLE 600V -50C TO +105C MADE IN USA

No Metric Print:
{SQFTG} SOUTHWIRE® ROYAL® EXCELENE® XX WELDING CABLE 600V -50C TO +105C MADE IN USA

PACKAGING:

Standard lengths: 250', 500' and 1,000' reels. Other lengths available upon request.

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

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	
F25001	250	1	2451	145	0.875	1015	455	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.
^ No metric print

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	
F25001	250	1	2451	3.68	22.22	1510	455	BK

Copyright © 2026 Southwire Company, LLC. All Rights Reserved