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

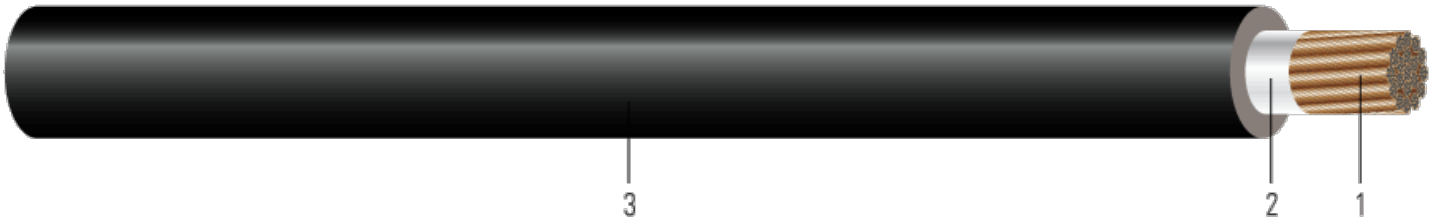


Image not to scale. See Table 1 for dimensions.

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.

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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	
10410	8	1	135	70	0.285	80	80	BK
10411	6	1	259	65	0.305	120	105	BK
10412	4	1	385	60	0.340	167	140	BK
10413	2	1	651	70	0.420	260	190	BK
10483^	2	1	651	70	0.420	260	190	BK
10484^	1	1	798	85	0.498	334	220	BK
10414	1	1	798	85	0.498	334	220	BK
10415	1/0	1	1026	85	0.525	411	260	BK
10485^	1/0	1	1026	85	0.525	411	260	BK
10416	2/0	1	1254	85	0.570	465	300	BK
10487^	3/0	1	1615	80	0.617	609	350	BK
10417	3/0	1	1615	90	0.635	617	350	BK
10418	4/0	1	2052	80	0.695	773	405	BK
10488^	4/0	1	2052	80	0.695	773	405	BK
F25001	250	1	2451	145	0.875	1015	455	BK
F35003	350	1	3458	135	0.975	1310	570	BK
F50001	500	1	4921	160	1.150	1879	700	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

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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	
10410	8	1	135	1.78	7.24	119	80	BK
10411	6	1	259	1.65	7.75	179	105	BK
10412	4	1	385	1.52	8.64	249	140	BK
10413	2	1	651	1.78	10.67	387	190	BK
10483^	2	1	651	1.78	10.67	387	190	BK
10484^	1	1	798	2.16	12.65	497	220	BK
10414	1	1	798	2.16	12.65	497	220	BK
10415	1/0	1	1026	2.16	13.33	612	260	BK
10485^	1/0	1	1026	2.16	13.33	612	260	BK
10416	2/0	1	1254	2.16	14.48	692	300	BK
10487^	3/0	1	1615	2.03	15.67	906	350	BK
10417	3/0	1	1615	2.29	16.13	918	350	BK
10418	4/0	1	2052	2.03	17.65	1150	405	BK
10488^	4/0	1	2052	2.03	17.65	1150	405	BK
F25001	250	1	2451	3.68	22.22	1510	455	BK
F35003	350	1	3458	3.43	24.76	1949	570	BK
F50001	500	1	4921	4.06	29.21	2796	700	BK

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