



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

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

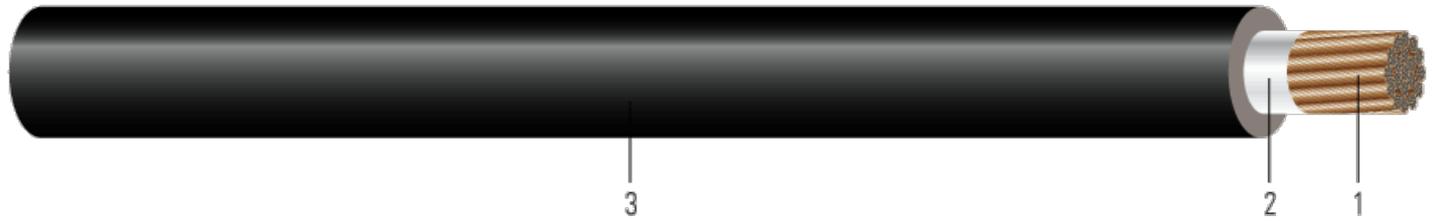


Image not to scale. See Table 1 for dimensions.

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 AWG/Kcmil	Cond. Number No.	Cond. Strands No.	Jacket Thickness mil	Approx. OD inch	Approx. Weight lb/1000ft	Ampacity Amp	Insul. Color
104100	8	1	135	70	0.285	80	80	BK
104110	6	1	259	65	0.305	120	105	BK
104120	4	1	385	60	0.340	167	140	BK
104830	2	1	651	70	0.420	260	190	BK
104130	2	1	651	70	0.420	260	190	BK
104840	1	1	798	85	0.498	334	220	BK
104140	1	1	798	85	0.498	334	220	BK
104850	1/0	1	1026	85	0.525	411	260	BK
104150	1/0	1	1026	85	0.525	411	260	BK
104160	2/0	1	1254	85	0.570	465	300	BK
104870	3/0	1	1615	80	0.617	609	350	BK
104170	3/0	1	1615	90	0.635	617	350	BK
104880	4/0	1	2052	80	0.695	773	405	BK
104180	4/0	1	2052	80	0.695	773	405	BK
TBA	250	1	2451	145	0.712	821	455	BK
TBA	350	1	3458	135	0.824	1130	570	BK
TBA	500	1	4921	160	0.997	1630	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.

Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size AWG/Kcmil	Cond. Number No.	Cond. Strands No.	Jacket Thickness mm	Approx. OD mm	Approx. Weight kg/km	Ampacity * Amp	Insul. Color
104100	8	1	135	1.78	7.24	119	80	BK
104110	6	1	259	1.65	7.75	179	105	BK
104120	4	1	385	1.52	8.64	249	140	BK
104830	2	1	651	1.78	10.67	387	190	BK
104130	2	1	651	1.78	10.67	387	190	BK
104840	1	1	798	2.16	12.65	497	220	BK
104140	1	1	798	2.16	12.65	497	220	BK
104850	1/0	1	1026	2.16	13.33	612	260	BK
104150	1/0	1	1026	2.16	13.33	612	260	BK
104160	2/0	1	1254	2.16	14.48	692	300	BK
104870	3/0	1	1615	2.03	15.67	906	350	BK
104170	3/0	1	1615	2.29	16.13	918	350	BK
104880	4/0	1	2052	2.03	17.65	1150	405	BK
104180	4/0	1	2052	2.03	17.65	1150	405	BK
TBA	250	1	2451	3.68	18.08	1222	455	BK
TBA	350	1	3458	3.43	20.93	1682	570	BK
TBA	500	1	4921	4.06	25.32	2426	700	BK

