



SAMPLE PRINT LEGEND:

SOUTHWIRE (R) RHINO™ BRAND CABLE # AWG 3/C COMPACT CU TYPE MP-GC 25000V 100% INS. LEVEL P-07-K140017 MSHA

Table 1 – Weights and Measurements

Cond. Size	Cond. Number	Cond. Strands	Diameter Over Conductor	Insul. Thickness	Diameter Over Insulation	Ground	Ground Check Size	Jacket Thickness	Approx. OD	Approx. Weight	Jacket Color
AWG/Kcmil	No.	No.	inch	mil	inch	No. x AWG	AWG	mil	inch	lb/1000ft	
2	3	7	0.268	260	0.824	2 x 6	8	140	2.340	3190	BK
1	3	19	0.299	260	0.855	2 x 5	8	140	2.420	3530	BK
1/0	3	19	0.336	260	0.892	2 x 4	8	140	2.510	3950	BK
2/0	3	19	0.376	260	0.932	2 x 3	8	140	2.600	4430	BK
3/0	3	19	0.423	260	0.979	2 x 2	8	140	2.710	5040	BK
4/0	3	19	0.475	260	1.031	2 x 1	8	140	2.890	5910	BK
250	3	37	0.520	260	1.076	2 x 1/0	8	140	2.990	6590	BK
350	3	37	0.616	260	1.172	2 x 2/0	8	170	3.210	8130	BK
500	3	37	0.736	260	1.292	2 x 4/0	8	170	3.500	10600	BK

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

* Strand count meets minimum number per ASTM

Table 2 – Electrical and Engineering Data

Cond. Size	DC Resistance @ 25°C	AC Resistance @ 90°C	Capacitive Reactance	Inductive Reactance	Working Tension	Min Bending Radius	Allowable Ampacity In Air 90°C
AWG/Kcmil	Ω/1000ft	Ω/1000ft	MΩ*1000ft	Ω/1000ft	lb	inch	Amp
2	0.164	0.205	0.061	0.049	454	28.1	168
1	0.130	0.163	0.057	0.047	572	29.0	191
1/0	0.104	0.130	0.053	0.046	722	30.1	218
2/0	0.082	0.103	0.049	0.044	910	31.2	249
3/0	0.065	0.081	0.045	0.042	1147	32.5	286
4/0	0.052	0.065	0.042	0.041	1446	34.7	326
250	0.044	0.055	0.039	0.040	1709	35.9	360
350	0.031	0.039	0.035	0.038	2393	38.5	439
500	0.022	0.028	0.030	0.036	3418	42.0	536

* Ampacities based upon ICEA S-75-381 Table I-1.

* Inductive impedance is based on non-ferrous conduit with one diameter spacing center-to-center.

