



**Table 1 – Weights & Measurements**

Stock Code	Cond. Size AWG	Diameter over			Ground No. x AWG	Jacket Thickness <sup>1</sup> mils	Approx. OD (9) inches	Approx. Weight lbs./MFT	Max Pull Tension lbs.	Min Bending Radius inches
		Cond. (1) inches	Insul. (3) inches	Insul. Shield inches						
552345	2	0.283	0.550	0.610	1 x 6	80	1.549	1580	1593	10.8
TBA	1	0.322	0.589	0.649	1 x 4	80	1.633	1851	2009	11.4
TBA	1/0	0.362	0.629	0.689	1 x 4	80	1.719	2130	2534	12.0
551848	2/0	0.405	0.672	0.732	1 x 4	110	1.872	2576	3194	13.1
TBA	3/0	0.456	0.723	0.783	1 x 3	110	1.982	3040	4027	13.9
561038	4/0	0.512	0.779	0.839	1 x 3	110	2.103	3566	5078	14.7
TBA	250	0.558	0.834	0.894	1 x 3	110	2.222	4038	6000	15.6
560450	350	0.661	0.937	0.997	1 x 2	110	2.445	5239	8400	17.1
561230	500	0.789	1.065	1.125	1 x 1	110	2.721	6979	12000	19.0
560449	750	0.968	1.253	1.313	1 x 0	135	3.177	9976	18000	22.2

All dimensions are nominal and subject to normal manufacturing tolerances

<sup>1</sup> Comply with ICEA S-93-639 Appendix C for jacket thickness determination

**Table 2 – Electrical and Engineering Data**

Stock Code	Cond. Size AWG	Resistance		Reactance		Positive Sequence Impedance*	Zero Sequence Impedance*	Shield Short Circuit Current 6 Cycles Amps	Allowable Ampacities 90°C/105°C	
		DC @ 25°C Ω/MFT	AC @ 90°C Ω/MFT	X <sub>C</sub> @ 60Hz MΩ*MFT	X <sub>L</sub> @ 60Hz Ω/MFT				In Duct † Amps	In Air ‡ Amps
552345	2	0.162	0.203	0.036	0.040	0.203 + j0.040	0.573 + j0.514	2017	135 / 145	140 / 154
TBA	1	0.129	0.161	0.033	0.039	0.162 + j0.038	0.534 + j0.492	2144	155 / 165	160 / 180
TBA	1/0	0.102	0.128	0.030	0.037	0.128 + j0.037	0.503 + j0.470	2274	175 / 190	185 / 205
551848	2/0	0.081	0.102	0.027	0.036	0.102 + j0.036	0.477 + j0.448	2414	200 / 220	215 / 240
TBA	3/0	0.064	0.081	0.025	0.035	0.081 + j0.035	0.456 + j0.423	2580	230 / 250	250 / 280
561038	4/0	0.051	0.064	0.023	0.034	0.065 + j0.034	0.438 + j0.398	2762	265 / 285	285 / 320
TBA	250	0.043	0.054	0.022	0.033	0.055 + j0.033	0.426 + j0.375	2941	290 / 315	320 / 355
560450	350	0.031	0.039	0.019	0.032	0.040 + j0.032	0.405 + j0.337	3276	355 / 380	395 / 440
561230	500	0.022	0.028	0.016	0.030	0.029 + j0.030	0.383 + j0.296	3693	430 / 460	485 / 545
560449	750	0.014	0.020	0.014	0.029	0.020 + j0.029	0.357 + j0.247	4304	530 / 570	615 / 685

\* Calculations are based on 5 mil 25 % over lapping copper tape shield / Conductor temperature of 90°C / Shield temperature of 45°C / Earth resistivity of 100 ohms-meter

† Ampacities are based on TABLE 310.60(C)(79) Detail 1. of the 2014 National Electrical Code (20°C Ambient Earth Temperature, Thermal Resistance ROH of 90)

‡ Ampacities are based on TABLE 310.60(C)(71) of the 2014 National Electrical Code (40°C Ambient Air Temperature)

