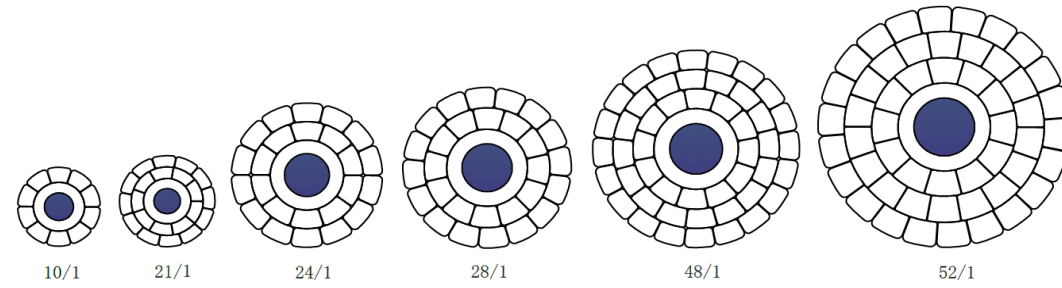


**TS Conductor (Total Solution)**  
**Trapezoidal Aluminum Conductor, Encapsulated Carbon Composite**  
**Core-Concentric-Lay-Stranded**



ASTM Size	Conductor OD (inch)	Aluminum Area		Core OD (mm)	Wire thick (mm)	Layer	Number of Wires				LayRatio	Mass per unit length				RTS		Modulus above knee point	Modulus below knee point	DC at 20°C		Temperature Coefficient of Resistance at 20°C	AC at 25°C 60 Hz		AC at 75°C 60Hz		GMR(estimated)		Ampacity based on: 25°C ambient temperature, 2ft/s (0.6 m/s) perpendicular wind, 0.5 Emis 0.5 Absorb.60 Hz, sea level (0) elevation, 30°N line Azimuth, noon on June 10th (96W/sq.ft, 1033W/sq.m), clear atmosphere		AFL Parts	
		Al Total kcmil	Al Total mm2				Total	In	Mid	Out		Conductor Total lb/kft	Conductor Total kg/km	Core lb/ft	Core kg/km	kip	kN			ohm/mile	ohm/km		1/°C	ohm/mile	ohm/km	ohm/mile	ohm/km	ft	mm	180C Ampacity		200 Ampacity
TS Sanford M3 11.5	1.762	2715.00	1376.00	11.50	4.50	3	42	12	18	22	1.0320	2688.7	4000.0	121.7	181.0	82.19	365.60	150.0	61.6	0.03290	0.02050	0.00408	0.0394	0.0245	0.0453	0.0282	0.0587	17.89	3258	3458	B13510-B-TS deadend, B13511-B-TS splice	
TS Killdeer M3 10.5	1.720	2609.88	1322.49	10.50	4.49	3	52	12	18	22	1.0320	2569.5	3823.2	101.5	151.0	70.79	314.89	150.0	60.8	0.03430	0.02130	0.00408	0.0408	0.0253	0.0470	0.0292	0.0571	17.41	3173	3367	B13510-K-TS deadend, B13511-K-TS splice	
TS Blanca M3 9	1.545	2117.00	1072.96	9.00	4.22	3	54	12	18	24	1.0275	2068.6	3077.9	74.6	111.0	53.33	237.22	150.0	60.3	0.04210	0.02610	0.00408	0.0480	0.0298	0.0558	0.0347	0.0512	15.61	2791	2958	B13510-F-TS deadend, B13511-F-TS splice	
TS Williamson M3 10	1.545	2093.00	1060.39	10.00	3.82	3	48	12	16	20	1.0275	2062.1	3068.2	92.1	137.0	62.49	277.97	150.0	61.6	0.04250	0.02640	0.00408	0.0482	0.0299	0.0562	0.0349	0.0515	15.68	2780	2945	B13510-Z-TS deadend, B13511-Z-TS splice	
TS Helvellyn M3 11.5 (50 Hz)	1.547	2074.00	1050.81	11.50	3.65	3	48	12	16	20	1.0275	2072.7	3083.9	121.7	181.0	78.08	347.32	150.0	63.7	0.04290	0.02670	0.00408	0.0469	0.0291	0.0552	0.0343	0.0519	15.83	2788	2951		
TS Bersfort M3 11.5 (50 Hz)	1.378	1608.00	814.95	11.50	2.94	3	42	11	14	17	1.0260	1631.7	2427.7	121.7	181.0	75.09	334.02	150.0	66.2	0.05520	0.03430	0.00408	0.0586	0.0364	0.0695	0.0432	0.0466	14.22	2380	2516		
TS Altar M3 9.5	1.315	1494.00	756.87	9.50	3.10	3	48	12	16	20	1.0260	1485.7	2210.5	82.7	123.0	53.87	239.63	150.0	63.4	0.05950	0.03700	0.00408	0.0640	0.0398	0.0756	0.0470	0.0441	13.43	2254	2382	B13510-N-TS deadend, B13511-N-TS splice	
TS Sierra M3 9.5	1.259	1360.00	688.94	9.50	4.08	2	28		12	16	1.0235	1356.7	2018.6	82.7	123.0	53.01	235.80	150.0	64.3	0.06520	0.04050	0.00408	0.0695	0.0432	0.0823	0.0511	0.0423	12.89	2127	2247		
TS Ruddy M3 8.5	1.131	1099.00	667.00	8.50	3.75	2	24		10	14	1.0225	1094.5	1629.0	66.5	99.0	42.51	189.09	150.0	64.2	0.08060	0.05010	0.00408	0.0847	0.0526	0.1007	0.0626	0.0380	11.58	1853	1956	B13510-Y-TS deadend, B13511-Y-TS splice	
TS Pennell M3 9.5	1.140	1094.00	1094.00	9.50	3.42	2	28		12	16	1.0225	1105.7	1645.1	82.7	123.0	51.31	228.24	150	66.4	0.08090	0.05020	0.00408	0.0848	0.0527	0.1009	0.0627	0.0386	11.76	1855	1958		
TS Fishers M3 9	1.108	1039.00	526.62	9.00	3.37	2	28		12	16	1.0225	1046.6	1557.3	74.6	111.0	46.42	206.49	150.0	65.9	0.08510	0.05290	0.00408	0.0891	0.0553	0.1061	0.0659	0.0374	11.41	1792	1891	B13510-X-TS deadend, B13511-X-TS splice	
TS Gould M3 9.5	1.108	1027.00	520.51	9.50	3.21	2	28		12	16	1.0225	1043.7	1552.9	82.7	123.0	50.88	226.33	150.0	67.1	0.08610	0.05350	0.00408	0.0899	0.0559	0.1072	0.0666	0.0376	11.46	1783	1881	B13510-A-TS deadend, B13511-A-TS splice	
TS Fernow M3 8	1.063	979.15	496.16	8.00	3.39	2	28		12	16	1.0225	974.5	1449.9	58.5	87.0	37.71	167.74	150.0	64.2	0.09040	0.05620	0.00408	0.0944	0.0587	0.1125	0.0699	0.0357	10.89	1717	1811		
TS TernMDU M3 9.5	1.002	817.00	413.77	9.50	2.74	2	30		13	17	1.0215	845.7	1258.3	82.7	123.0	49.45	219.96	150.0	69.7	0.10820	0.06720	0.00408	0.1119	0.0695	0.1337	0.0831	0.0343	10.45	1543	1627	B13510-C-TS deadend, B13511-C-TS splice	
TS Martin M3 7	0.927	738.00	374.12	7.00	2.94	2	28		12	16	1.0215	735.0	1093.7	45.0	67.0	28.81	128.15	150.0	64.4	0.11980	0.07440	0.00408	0.1239	0.0770	0.1480	0.0920	0.0312	9.5	1426	1502	B13510-D-TS deadend, B13511-D-TS splice	
TS Hawk M3 6.5 (50 Hz)	0.858	632.48	320.49	6.50	2.73	2	24		10	14	1.0215	630.0	937.4	39.0	58.0	24.85	110.54	150.0	64.6	0.13980	0.08690	0.00408	0.1436	0.0892	0.1720	0.1069	0.0288	8.79	1295	1364		