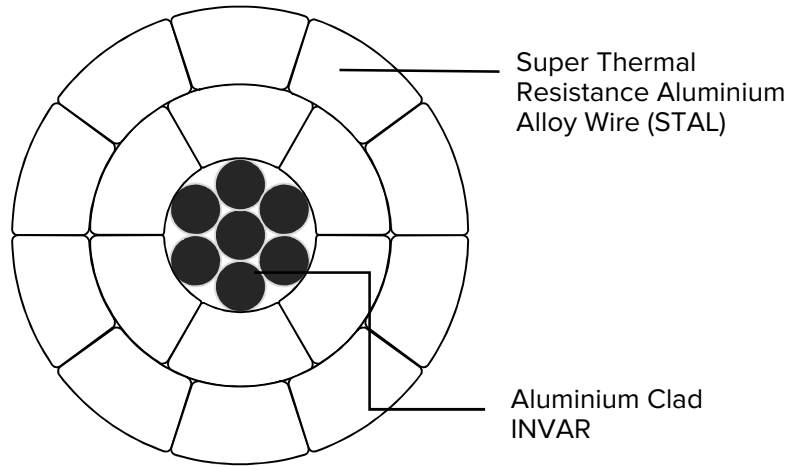




STACIRTW CONDUCTOR



Conductor Size	Cross-Sectional Area			Stranding				Conductor Diameter	Weight Total	Rated Strength	DC Resistance @ 20°C	Current Capacity		
	STAL	Invar	Total	No. of	No. of	No. of	Dia. of					@ 85°C	@ 150°C	@ 210°C
				STAL	STAL	Invar	Invar							
				Wires	Layers	Wires	Wires							
(mm ²)	(mm ²)	(mm ²)	(mm ²)	(No.)	(No.)	(No.)	(mm)	(mm)	(Kg/Km)	(KN)	(Ω/Km)	(Ampere)	(Ampere)	(Ampere)
320	322.26	52	374.8	20	2	7	3.09	22.9	1262.8	101.0	0.0876	596	1039	1287
340	336.85	55	391.8	20	2	7	3.16	23.4	1320.2	105.6	0.0838	612	1069	1324
390	389.25	51	440.1	20	2	7	3.04	24.7	1435.5	109.5	0.0731	662	1163	1442
405	402.83	52	455.0	20	2	7	3.08	25.1	1482.5	112.9	0.0706	676	1189	1475
480	479.69	47	526.9	35	3	7	2.93	27.0	1665.6	123.0	0.0600	733	1298	1613
490	489.57	64	553.1	24	2	7	3.40	27.7	1803.0	136.2	0.0581	759	1347	1676





Conductor Size	Cross-Sectional Area			Stranding				Conductor Diameter	Weight	Rated Strength	DC Resistance @ 20°C	Current Capacity				
	STAL	Invar	Total	No. of	No. of	No. of	Dia. of					Total	DC Resistance @ 20°C	@ 85°C	@ 150°C	@ 210°C
				STAL	STAL	Invar	Invar									
				Wires	Layers	Wires	Wires									
(mm ²)	(mm ²)	(mm ²)	(mm ²)	(No.)	(No.)	(No.)	(mm)	(mm)	(Kg/Km)	(KN)	(Ω/Km)	(Ampere)	(Ampere)	(Ampere)		
525	523.67	27	550.5	30	3	7	2.21	27.5	1642.4	107.4	0.0556	763	1354	1685		
590	586.76	41	628.0	33	3	7	2.74	29.4	1920.0	131.2	0.0494	820	1464	1825		
625	625.07	80	704.7	38	3	19	2.31	31.3	2301.5	177.4	0.0458	862	1549	1935		
640	636.97	44	681.0	35	3	7	2.83	30.6	2078.8	141.6	0.0455	860	1542	1925		
680	676.24	86	762.2	39	3	19	2.40	32.6	2488.6	191.8	0.0423	903	1630	2037		
690	688.96	48	736.5	36	3	7	2.94	31.8	2247.7	151.8	0.0421	899	1620	2024		
725	725.09	92	816.9	39	3	19	2.48	33.7	2665.6	205.2	0.0395	940	1703	2131		
730	726.41	92	818.2	39	3	19	2.48	33.8	2669.2	205.4	0.0394	941	1705	2134		
740	737.4	51	788.5	36	3	7	3.05	32.9	2407.7	162.7	0.0393	936	1692	2117		
780	776.92	99	875.5	39	3	19	2.57	34.9	2857.7	218.3	0.0368	979	1780	2231		
790	789.13	55	843.7	36	3	7	3.15	34.1	2575.3	174.0	0.0367	973	1767	2213		
820	821.87	109	930.7	39	3	19	2.70	36.0	3055.4	235.6	0.0348	1012	1847	2316		
840	839.8	58	897.9	36	3	7	3.25	35.1	2740.8	185.1	0.0345	1008	1837	2304		
880	876.9	111	988.1	42	3	19	2.73	37.1	3225.2	246.4	0.0326	1050	1923	2414		
890	891.08	62	952.8	42	3	7	3.35	36.2	2908.8	195.4	0.0325	1043	1907	2394		
900	901.93	74	975.5	42	3	19	2.22	36.7	3025.0	213.2	0.0320	1054	1931	2425		
980	976.36	124	1100.1	42	3	19	2.88	39.1	3590.6	274.3	0.0293	1115	2056	2587		
990	987.86	69	1056.8	42	3	7	3.54	38.1	3228.2	217.1	0.0293	1105	2035	2560		

Note: Current capacity based on referenced conductor temperature, 0.56 m/s wind, 0 m Elevation, 0.45 Emmissivity, 0.80 absorptivity, 45°C Ambient temperatures, 1045 W/m² Solar radiation.

