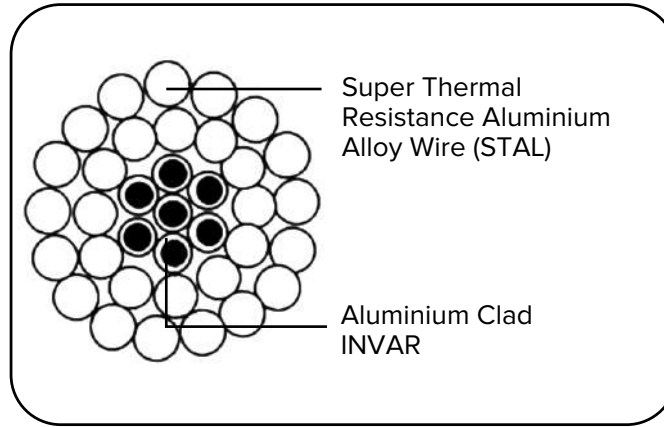




STACIR CONDUCTOR



SUPER THERMAL RESISTANT ALUMINUM ALLOY CONDUCTOR, ALUMINUM CLAD INVAR REINFORCED (STACIR)

Conductor Size (mm ²)	Stranding				Cross-Sectional Area			Diameter of Conductor (mm)	Weight Total (Kg/Km)	Rated Strength (KN)	DC Resistance @ 20°C (Ω/Km)	Current Capacity				
	No. of Wires		Wire diameter		STAL	Invar	Total					Total	DC Resistance @ 20°C (Ω/Km)	@ 85°C	@ 150°C	@ 210°C
	STAL	Invar	STAL	Invar										(mm ²)	(mm ²)	(mm ²)
200	30	7	2.60	2.60	159.3	37.2	196.4	18.2	704.3	65.4	0.1746	403	690	850		
240	30	7	2.90	2.90	198.2	46.2	244.4	20.3	876.2	79.9	0.1403	460	794	980		
300	30	7	3.20	3.20	241.3	56.3	297.6	22.4	1066.9	94.8	0.1153	518	901	1114		
300	30	7	3.20	3.20	241.3	56.3	297.6	22.4	1066.9	94.8	0.1153	518	901	1114		
380	26	7	4.00	3.10	326.7	52.8	379.6	25.3	1279.0	104.3	0.0866	612	1076	1335		
380	26	7	4.00	3.10	326.7	52.8	379.6	25.3	1279.0	104.3	0.0866	612	1076	1335		
480	26	7	4.50	3.50	413.5	67.4	480.9	28.5	1622.1	132.4	0.0684	704	1253	1559		
480	26	7	4.50	3.50	413.5	67.4	480.9	28.5	1622.1	132.4	0.0684	704	1253	1559		
520	45	7	3.70	2.47	483.9	33.5	517.4	29.6	1576.2	113.1	0.0597	748	1336	1665		





SUPER THERMAL RESISTANT ALUMINUM ALLOY CONDUCTOR, ALUMINUM CLAD INVAR REINFORCED (STACIR)

Conductor Size (mm ²)	Stranding				Cross-Sectional Area			Diameter of Conductor (mm)	Weight Total (Kg/Km)	Rated Strength (KN)	DC Resistance @ 20°C (Ω/Km)	Current Capacity		
	No. of Wires		Wire diameter		STAL (mm ²)	Invar (mm ²)	Total (mm ²)					@ 85°C (Ampere)	@ 150°C (Ampere)	@ 210°C (Ampere)
	STAL (No.)	Invar (No.)	STAL (mm)	Invar (mm)										
520	45	7	3.70	2.47	483.9	33.5	517.4	29.6	1576.2	113.1	0.0597	748	1336	1665
590	54	7	3.50	3.50	519.5	67.4	586.9	31.5	1917.3	150.8	0.0549	790	1419	1771
600	54	7	3.53	3.53	528.5	68.5	597.0	31.8	1950.3	152.2	0.0540	797	1434	1791
630	54	19	3.63	2.18	558.9	70.9	629.8	32.7	2053.2	163.9	0.0511	824	1486	1857
690	54	7	3.80	3.80	612.4	79.4	691.8	34.2	2260.0	176.4	0.0466	869	1576	1972
710	54	19	3.85	2.31	628.7	79.6	708.3	34.7	2308.5	182.4	0.0454	883	1602	2006
730	45	7	4.40	2.90	684.2	46.2	730.5	35.1	2220.4	155.8	0.0423	914	1663	2084
770	54	7	4.00	4.00	678.6	88.0	766.6	36.0	2504.2	193.4	0.0421	922	1682	2108
800	54	19	4.09	2.45	709.5	89.6	799.0	36.8	2603.2	205.5	0.0403	946	1729	2169
900	54	19	4.34	2.61	798.9	101.7	900.5	39.1	2936.9	230.4	0.0357	1014	1868	2348

