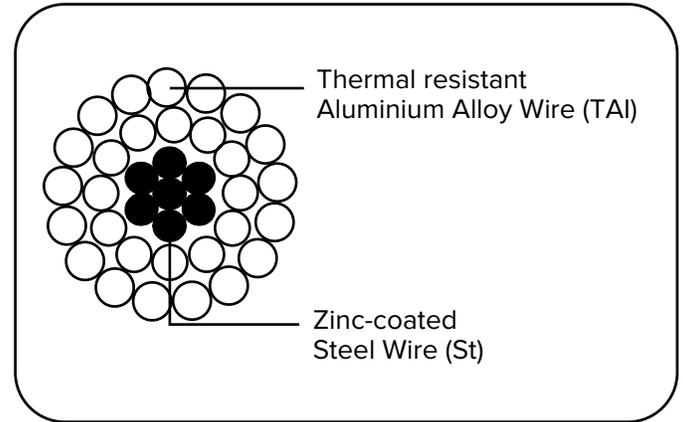


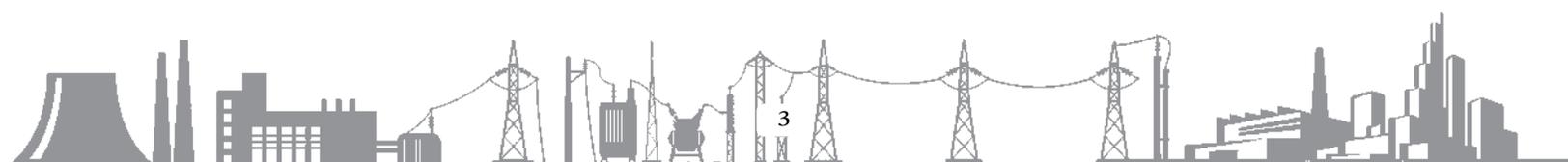


## TACSR CONDUCTOR



### THERMAL RESISTANT ALUMINIUM CONDUCTOR STEEL REINFORCED - (TACSR)

Conductor Size (mm <sup>2</sup> )	Stranding				Cross-Sectional Area			Conductor Diameter (mm)	Weight (Kg/Km)	Rated Strength				DC Resistance @ 20°C (Ω/Km)	Current Capacity		
	No. of Wires		Wire diameter		TAL	Steel	Total			Total	Regular Strength (KN)	HS (KN)	EHS (KN)		UHS (KN)	@ 85°C (Ampere)	@ 150°C (Ampere)
	TAL	Steel	TAL	Steel													
58	6	1	3.50	3.50	57.73	9.62	67.35	10.5	233.3	21.3	22.6	23.6	23.9	0.5053	197	325	
80	6	1	4.20	4.20	83.13	13.85	96.98	12.6	335.9	29.4	31.8	33.3	33.7	0.3509	246	410	
95	6	1	4.50	4.50	95.43	15.90	111.33	13.5	385.6	33.8	36.5	38.2	38.7	0.3057	267	448	
80	15	4	2.60	2.60	79.64	21.24	100.88	13.0	387.4	40.7	43.4	45.6	46.4	0.3673	242	404	
100	15	4	2.90	2.90	99.08	26.42	125.50	14.5	481.9	50.3	53.7	56.5	57.4	0.2952	276	465	
120	15	4	3.20	3.20	120.64	32.17	152.81	16.0	586.8	59.4	63.9	67.2	68.3	0.2425	311	527	
120	30	7	2.30	2.30	124.64	29.08	153.72	16.1	571.0	58.3	62.1	65.1	66.1	0.2352	338	574	
160	30	7	2.60	2.60	159.28	37.17	196.45	18.2	729.8	74.5	79.3	83.2	84.5	0.1841	393	672	
200	30	7	2.90	2.90	198.16	46.24	244.40	20.3	907.8	92.1	98.1	103.0	104.6	0.1480	448	773	
240	30	7	3.20	3.20	241.27	56.30	297.57	22.4	1105.4	108.9	116.8	122.4	124.4	0.1215	504	877	





## THERMAL RESISTANT ALUMINIUM CONDUCTOR STEEL REINFORCED - (TACSRS)

Conductor Size (mm <sup>2</sup> )	Stranding				Cross-Sectional Area			Conductor Diameter (mm)	Weight Total (Kg/Km)	Rated Strength				DC Resistance @ 20°C (Ω/Km)	Current Capacity	
	No. of Wires		Wire diameter		TAL	Steel	Total			Regular Strength (KN)	HS (KN)	EHS (KN)	UHS (KN)		@ 85°C	@ 150°C
	TAL	Steel	TAL	Steel											(mm <sup>2</sup> )	(mm <sup>2</sup> )
330	26	7	4.00	3.10	326.73	52.83	379.56	25.3	1315.0	117.5	124.9	130.1	132.0	0.0898	601	1056
410	26	7	4.50	3.50	413.51	67.35	480.86	28.5	1668.1	149.3	158.7	165.4	167.8	0.0710	691	1230
480	45	7	3.70	2.47	483.85	33.54	517.39	29.6	1599.1	124.7	129.1	132.6	133.8	0.0607	742	1325
520	54	7	3.50	3.50	519.54	67.35	586.89	31.5	1963.3	167.7	177.1	183.8	186.2	0.0566	778	1398
560	54	19	3.63	2.18	558.85	70.92	629.77	32.7	2101.8	183.4	193.4	200.5	202.6	0.0526	812	1465
610	54	7	3.80	3.80	612.42	79.39	691.81	34.2	2314.3	192.1	205.6	214.3	216.7	0.0480	857	1553
630	54	19	3.85	2.31	628.65	79.63	708.28	34.7	2363.1	201.9	212.2	220.6	223.4	0.0468	870	1579
680	54	7	4.00	4.00	678.59	87.96	766.55	36.0	2564.2	210.8	225.8	235.4	238.1	0.0433	909	1658
680	45	7	4.40	2.90	684.24	46.24	730.48	35.1	2252.0	168.0	174.0	178.9	180.5	0.0429	907	1651
710	54	19	4.09	2.45	709.47	89.57	799.04	36.8	2664.6	227.5	239.1	248.5	251.6	0.0414	933	1706
800	54	19	4.34	2.61	798.85	101.65	900.50	39.1	3006.5	257.1	270.3	281.0	284.6	0.0368	999	1840
810	45	7	4.80	3.20	814.30	56.30	870.60	38.4	2690.0	193.6	201.5	207.1	209.1	0.0361	1003	1845
1120	72	19	4.45	1.78	1119.81	47.28	1167.09	44.5	3467.7	240.0	246.6	251.3	252.8	0.0263	510	951
1160	84	7	4.20	4.20	1163.77	96.98	1260.75	46.2	3978.9	298.5	315.0	325.7	328.6	0.0253	855	1602
1250	84	19	4.35	2.61	1248.39	101.65	1350.04	47.9	4252.3	328.6	341.8	352.5	356.1	0.0236	860	1619
1520	84	7	4.80	4.80	1520.03	126.67	1646.70	52.8	5197.0	379.3	391.9	414.7	418.5	0.0194	875	1668

