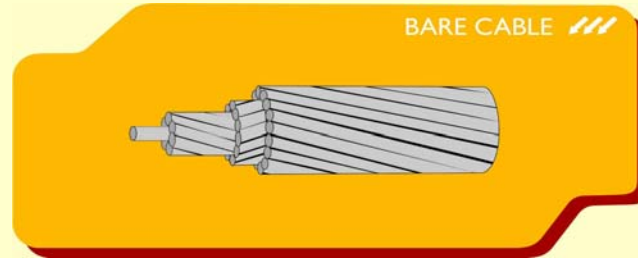


## T - ACSR

## Thermal Resistance Aluminium Conductors Steel Reinforced



## BARE CONDUCTOR

## TECHNICAL DATA

**SPEC STD** Specification : JFEPC A242

**APL** Used for overhead transmission lines

**° C** Ambient temperature : 35 ° C

**∅** Wind velocity : 0.6 m/sec

**∞** Continuous operating of conductor : 80 ° C

## DIMENSIONAL , MECHANICAL &amp; ELECTRICAL DATA

Nominal Al / Steel (mm <sup>2</sup> )	AREA			Number of core & Dia. Wire		Overall Diameter approx. (mm)	Approx Weight (kg / km)	Min. Calculated Breaking Load (KN)	Max. DC Resistance at 20°C (Ohm/km)	Current Carrying Capacity* (A)	Std. Length per reel (M+/-5%)
	Tall Wire (mm <sup>2</sup> )	Steel (mm <sup>2</sup> )	Total (mm <sup>2</sup> )	Tall Wire n / (mm)	Steel n / (mm)						
58	57.7	9.62	67.35	6/3.5	1/3.5	10.50	234	1.98	0.5050	375	5.000
80	83.1	13.85	96.98	6/4.2	1/4.2	12.60	336	2.77	0.3500	480	
	79.6	21.24	100.88	15/2.6	4/2.6	13.00	386	3.81	0.3680	470	
95	95.4	15.90	111.33	6/4.5	1/4.5	13.50		480	4.47	0.2960	
100	120.6	32.17	152.81	15/3.2	4/3.2	16.00	585	5.55	0.2430	620	
	124.6	29.08	153.72	30/2.3	7/2.3	16.10	574	5.46	0.2370	630	
160	159.3	37.17	196.45	30/2.6	7/2.6	18.20	734	6.98	0.1850	745	3.000
200	198.2	46.24	244.40	30/2.9	7/2.9	20.30	912	8.68	0.1490	860	2.000
240	241.3	56.30	297.6	30/3.2	7/3.2	22.40	1111	10.17	0.1220	980	
330	326.7	52.83	379.56	26/4.0	7/3.1	25.30	1320	10.94	0.0901	1190	1.500
410	413.5	67.35	480.86	26/4.5	7/3.5	28.50	1674	13.90	0.0712	1390	
520	519.5		586.89	54/3.5		31.50	1969	15.59	0.0567	1610	
610	612.4	79.39	691.81	54/3.8	7/3.8	34.20	2321	18.38	0.0481	1795	1.000
680	678.6	87.96	766.54	54/4.0	7/4.0	36.00	2572	19.79	0.0434	1920	
	684.2	46.24	730.48	45/4.4	4/2.9	35.10	2260	15.59	0.0431	1910	
810	814.3	56.30	870.60	45/4.8	7/3.2	38.40	2700	18.46	0.0362	2145	500
1160	1163.8	96.98	1260.75	84/4.2	7/4.2	46.20	3997	27.87	0.0254	2700	
1520	1520.0	126.67	1646.70	84/4.8	7/4.8	52.80	5221	36.41	0.0195	3185	