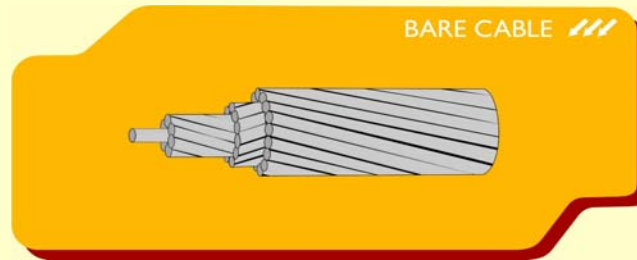


T - ACSR / AS

Thermal Resistance Aluminium Conductors - Aluminium Clad
Steel Reinforced

BARE CONDUCTOR

TECHNICAL DATA

SPEC
STD

Specification : JFEPC A242

° C

Ambient temperature : 35 ° C

APL

Used for overhead transmission lines

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Wind velocity : 0.6 m/sec

∞

Continuous operating of conductor : 80 ° C

DIMENSIONAL , MECHANICAL & ELECTRICAL DATA

Nominal Aluminium (mm ²)	Area			Number of core & Dia. Wire		Overall Diameter approx. (mm)	Approx Weight (kg / km)	Nominal 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 ²)	Steel (mm ²)	Total (mm ²)	Tall Wire n / (mm)	Steel n / (mm)						
58	57.7	9.62	67.35	6/3.5	1/3.5	10.50	219	1.98	0.4736	390	5.000
80	83.1	13.85	96.98	6/4.2	1/4.2	12.60	315	2.83	0.3289	495	
	79.6	21.24	100.88	15/2.6	4/2.6	13.00	359	3.81	0.3380		
95	95.4	15.90	111.33	6/4.5	1/4.5	13.50	362	3.18	0.2870	540	
100	99.1	26.42	125.50	15/2.9	4/2.9	14.50	447	1.74	0.2717	570	
120	120.6	32.17	152.81	15/3.2	4/3.2	16.00	535	5.55	0.2196	655	
	124.6	29.08	153.72	30/2.3	7/2.3	16.10	537	5.46	0.2190		
160	159.3	37.17	196.45	30/2.6	7/2.6	18.20	686	6.98	0.1718	770	3.000
200	198.2	46.24	244.40	30/2.9	7/2.9	20.30	853	8.68	0.1381	890	2.000
240	241.3	56.30	297.6	30/3.2	7/3.2	22.40	1024	10.17	0.1118	1025	
330	326.7	52.83	379.56	26/4.0	7/3.1	25.30	1239	10.94	0.0847	1225	1.500
410	413.5	67.35	480.86	26/4.5	7/3.5	28.50	1570	13.90	0.0669	1435	
520	519.5		586.89	54/3.5		31.50	1866	15.59	0.0535	1655	
610	612.4	79.39	691.81	54/3.8	7/3.8	34.20	2199	18.38	0.0458	1840	1.000
680	678.6	87.96	766.54	54/4.0	7/4.0	36.00	2436	20.18	0.0415	1960	
	684.2	46.24	730.48	45/4.4	4/2.9	35.10	2201	15.59	0.0421	1930	
810	814.3	56.30	870.60	45/4.8	7/3.2	38.40	2613	18.46	0.0352	2170	500
1160	1163.8	96.98	1260.75	84/4.2	7/4.2	46.20	3848	28.31	0.0246	2740	
1520	1520.0	126.67	1646.70	84/4.8	7/4.8	52.80	5026	36.41	0.0188	3230	