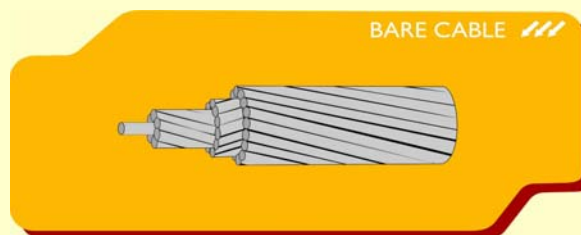


## ACSR

## Aluminium Conductors Steel Reinforced



## BARE CONDU

## TECHNICAL DATA

**SPEC STD** Specification : ASTM, B232

**APL** Used for overhead transmission lines

**° C** - Ambient temperature : 35 ° C

**θ** - Wind velocity : 0.6 m/sec

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

## DIMENSIONAL , MECHANICAL &amp; ELECTRICAL DATA

Nominal AWG or MCM	AREA			Number of core & Dia. Wire		Overall Diameter approx. (mm)	Weight			Min. Calculated Breaking Load (KN)	Max. DC Resistance at 20°C (Ohm/km)	Std. Length per reel (M+/-5%)
	Aluminium (mm <sup>2</sup> )	Steel (mm <sup>2</sup> )	Total (mm <sup>2</sup> )	Aluminium n/(mm)	Steel n/(mm)		Aluminium (kg/km)	Steel (kg/km)	Total (kg/km)			
6	13.29	2.19	15.48	6/1.68	1/1.68	5.04	37	17	54	5.24	2.1586	3.000
4	21.16	3.55	24.71	6/2.12	1/2.12	6.36	58	27	85	8.32	1.3557	
2	33.61	5.35	26.51	7/1.96	1/2.61	6.53	92	42	100	10.53	0.8535	2.500
		5.61	39.22	6/2.67	1/2.67	8.01		44	136	12.70		
1	42.39	7.10	49.49	7/2.47	1/3.3	8.24	116	67	159	16.11	0.6767	2.000
1/0	53.48	8.90	62.38	6/3.00	1/3.00	9.00	147	55	171	15.85	0.6767	
2/0	67.42	11.23	78.65	6/3.37	1/3.37	10.11	185	69	216	19.32	0.5364	2.000
3/0	85.03	14.19	99.22	6/3.78	1/3.78	11.34	233	88	273	23.62	0.4255	3.000
4/0	107.23	17.87	125.1	6/4.25	1/4.25	12.75	294	110	343	29.41	0.3373	2.500
266.8	135.16	17.87	125.1	6/4.77	1/4.77	14.31	294	139	433	37.06	0.2675	2.000
		7.48	142.64	18/3.09	1/3.09	15.45	373	58	431	30.27	0.2133	3.500
300	152.00	22.00	157.16	26/2.57	7/2.00	16.48	374	172	546	50.29	0.2143	2.500
		24.71	176.71	26/2.73	7/2.12	17.28	421	193	614	56.52	0.1906	3.000
336.4	170.45	9.48	179.93	18/3.47	1/3.47	17.35	470	74	544	38.23	0.1691	2.000
		27.81	198.26	26/2.89	1/2.25	18.31	472	217	689	62.71	0.1699	2.500
		39.81	210.26	30/2.69	7/2.69	18.83	473	311	784	77.27	0.1704	3.000
397.5	201.42	11.16	212.58	18/3.77	1/3.77	18.85	555	87	642	43.99	0.1431	2.500
		26.13	227.55	24/3.27	7/2.18	19.61	558	204	762	64.69	0.1438	2.000
		32.77	234.19	26/3.14	7/2.44	19.88		256	814	72.11		
477	241.68	46.97	248.39	30/2.92	7/2.92	20.44	560	367	927	88.69	0.1442	2.500
		13.42	255.1	18/4.14	1/4.14	20.70	666	105	771	52.16	0.1193	2.000
		31.29	272.97	24/3.58	7/2.39	21.49	670	245	915	76.66	0.1199	3.000