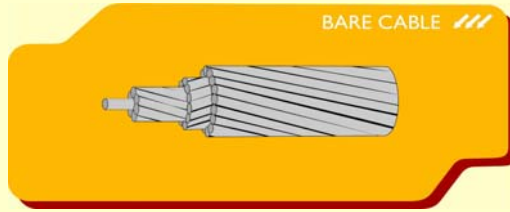


**ACSR / AS**

**Aluminium Conductors Aluminium Clad Steel Reinforced**



**BARE CONDUCTOR**

**TECHNICAL DATA**



Specification : ASTM B - 549



- Ambient temperature : 35 ° C



Used for overhead transmission lines



- Wind velocity : 0.6 m/sec



- Continuous operating of conductor : 80 ° C

**DIMENSIONAL , MECHANICAL & ELECTRICAL DATA**

Nominal Aluminium AWG or MCM	AREA			Number of core & Dia. Wire		Overall Diameter approx.	Approx Weight	Nominal Calculated Breaking Load	Max. DC Resistance at 20°C	Current Carrying Capacity*	Std. Length per reel
	Aluminium	Steel	Total	Aluminium	As Wire						
	(mm <sup>2</sup> )	(mm <sup>2</sup> )	(mm <sup>2</sup> )	n / (mm)	n / (mm)						
795	402.6	52.19	454.79	54/3.08	7/3.08	27.73	1462	122.71	0.06892	800	1.000
	402.9	91.93	494.83	30/4.14	19/2.48	28.95	1730	164.93	0.06689	820	
900	456.0	31.54	487.54	45/3.59	7/2.40	28.74	1473	107.06	0.06207	850	
		59.11	515.11	54/3.28	7/3.28	29.51	1656	137.05	0.06085	865	
954	483.4	13.43	496.83	36/4.14	1/4.14	28.95	1423	86.35	0.05908	870	
	483.3	33.43	516.73	45/3.7	7/2.47	29.59	1562	113.47	0.05857	880	
1033.5		62.66	545.96	54/3.38	7/3.38	30.38	1755	145.28	0.05740	895	
	523.5	14.54	538.04	36/4.3	1/4.30	30.12	1541	93.51	0.05456	915	
	523.3	36.17	559.47	45/3.85	7/2.57	30.78	1691	120.45	0.05409	925	
1113	523.4	67.85	591.25	54/3.51	7/3.51	31.62	1901	155.03	0.05301	940	
	564.1	39.02	603.12	45/4.0	7/2.66	31.96	1823	129.88	0.05018	970	
1192.5		71.50	635.60	54/3.65	19/2.19	32.83	2046	167.46	0.04947	980	
	604.3	41.73	646.03	45/4.14	7/2.76	33.08	1952	139.05	0.04684	1010	
1272	604.1	76.56	680.66	54/3.77	19/2.27	33.97	2183	176.57	0.04598	1025	
	644.7	17.91	662.61	36/4.78	1/4.78	33.43	1897	114.00	0.04430	1040	
1351	644.1	44.56	688.66	45/4.27	7/2.85	34.16	2081	148.30	0.04395	1050	
	644.4	81.64	726.04	54/3.90	19/2.34	35.08	2328	188.32	0.04310	1070	
1431	684.5	47.29	731.79	45/4.40	7/2.93	35.21	2211	157.53	0.04135	1090	
	684.7	86.67	771.37	54/4.02	19/2.41	36.16	2473	200.02	0.04057	1110	
1510.5	724.6	50.14	774.74	45/4.53	7/3.02	36.23	2341	166.85	0.03906	1130	
	725.2	91.85	817.05	54/4.14	19/2.48	37.22	2620	211.91	0.03830	1145	
1590	765.2	52.87	818.07	45/4.65	7/3.10		2472	176.11	0.03699	1165	
	764.6	96.81	861.41	54/4.25	19/2.55	38.21	2762	223.39	0.03633	1185	
1780	805.8	55.67	861.47	45/4.78	7/3.18	38.20	2603	185.44	0.03513	1205	
2156	805.5	102.12	907.62	54/4.36	19/2.62	39.23	2911	235.48	0.03448	1220	
2167	902.2	73.48	975.68	84/3.70	19/2.22	40.68	3001	220.45	0.03140	1290	
2312	1092.3	88.84	1181.14	84/4.07	19/2.44	44.75	3633	261.85	0.02593	1440	
	1097.8	47.46	1145.26	72/4.41	7/2.94	44.06	3358	217.97	0.02601	1430	
	1170.9	63.76	1234.66	76/4.43	19/2.07	45.77	3686	245.39	0.02441	1485	