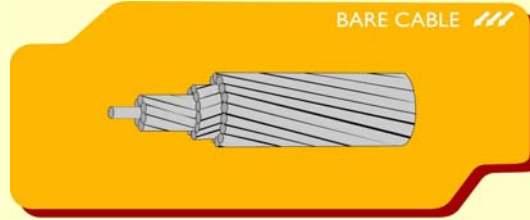


ACSR

Aluminium Conductors Steel Reinforced



BARE CONDUCTOR

TECHNICAL DATA



Specification : ASTM, B232



Used for overhead transmission lines



Ambient temperature : 35 ° C



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. (mm)	Weight			Min. Calculated Breaking Load (KN)	Max. DC Resistance at 20°C (Ohm/km)	Current Carrying Capacity* (A)	Std. Length per reel (M+/-5%)	
	Aluminium	Steel	Total	Aluminium	Steel		Aluminium	Steel	Total					
	(mm <sup>2</sup> )	(mm <sup>2</sup> )	(mm <sup>2</sup> )	n / (mm)	n / (mm)		(kg / km)	(kg / km)	(kg / km)					
1272	644.51	81.63	726.14	54/3.90	19/2.34	35.10	1795	833	2628	194.00	0.04516	1045	2.000	
		17.87	662.38	36/4.78	1/4.78	33.42	1777	140	1917	115.85	0.04472	1035		
1351.5	689.84	47.10	731.94	45/4.40	7/2.92	35.16	1898	368	2266	160.70	0.0423	1080		
		684.84	88.71	773.55	54/4.02	19/2.41	36.17	1906	679	2585	206.05	0.0425		1085
1431	725.1	50.32	775.42	45/4.53	7/3.02	36.24	2009	393	2402	170.71	0.03994	1115		2.500
		91.87	816.97	54/4.14	19/2.48	37.24	2019	719	2738	218.24	0.04013	1125		
1510.5	765.35	52.90	818.25	45/4.65	7/3.10	37.20	2120	414	2534	177.89	0.03784	1155	2.000	
		96.84	862.19	54/4.25	19/2.55	38.25	2131	759	2890	230.20	0.03802	1160		
1590	805.68	55.48	861.16	45/4.77	7/3.18	38.16	2232	435	2667	187.02	0.03595	1190		
		102.13	907.81	54/4.36	19/2.62	39.26	2243	799	3042	242.55	0.03613	1200		
80	40.52	14.13	54.65	8/2.54	1/4.24	9.32	112	110	222	23.60	0.7115	185	2.500	
101.8	51.61	30.06	81.67	12/2.34	7/2.34	11.71	143	235	378	41.75	0.5613	225	2.000	
110.8	56.13	32.77	88.90	12/2.44	7/2.44	12.22	156	256	412	51.25	0.5161	235		
134.6	68.19	39.81	108.00	12/2.69	7/2.69	13.46	189	311	500	61.70	0.4248	265		
159	80.58	46.97	127.55	12/2.92	7/2.92	14.63	223	367	590	72.55	0.3595	295		
176.9	89.48	52.19	141.67	12/3.08	7/3.08	15.42	248	409	657	78.50	0.3237	315		
190.8	96.71	56.39	153.10	12/3.20	12/3.20	16.03	268	441	709	84.80	0.2995	335		3.000
203.2	102.97	91.87	194.84	16/2.86	19/2.48	18.14	285	722	1007	128.80	0.2813	355	2.500	
211.8	107.1	62.45	169.55	12/3.37	7/3.37	16.84	297	488	785	93.90	0.2705	355	3.000	