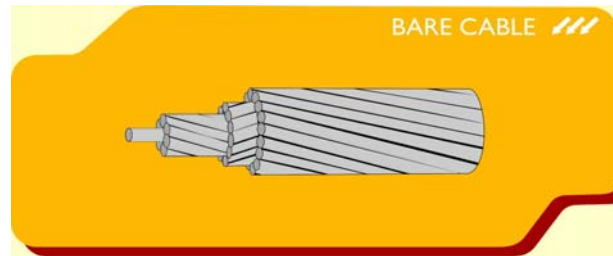


ACSR

Aluminium Conductors Steel Reinforced



BARE CONDUCTOR

TECHNICAL DATA

SPEC
STD Specification : BS 215, Part - 2

APL Used for overhead transmission lines

DIMENSIONAL , MECHANICAL & ELECTRICAL DATA

AREA				Number of core & Dia. Wire		Overall Diameter approx.	Weight			Min. Calculated Breaking Load	Max. DC Resistance at 20°C	Std. Length per reel
Nominal Aluminium	Aluminium	Steel	Total	Aluminium	Steel		Aluminium	Steel	Total			
(mm ²)	(mm ²)	(mm ²)	(mm ²)	n / (mm)	n / (mm)	(mm)	(kg / km)	(kg / km)	(kg / km)	(KN)	(Ohm/km)	(M+-5%)
10	10.62	1.77	12.39	6/1.5	1/1.5	4.50	29	14	45	4.14	2.076	3.000
20	20.94	3.49	24.43	6/2.11	1/2.11	6.33	58	27	85	7.88	1.368	
25	26.25	4.37	30.62	6/2.36	1/2.36	7.08	72	34	106	9.61	1.093	2.500
30	31.61	5.27	36.88	6/2.59	1/2.59	7.77	87	41	128	11.45	0.9077	2.000
35	36.66	6.11	42.77	6/2.79	1/2.79	8.37	101	48	149	13.20	0.7822	
40	42.41	7.07	49.48	6/3.00	1/3.00	9.00	117	55	172	15.20	0.6766	2.500
50	52.88	8.82	61.70	6/3.35	1/3.35	10.05	145	69	214	18.35	0.5426	2.000
60	63.18	10.53	73.71	6/3.66	1/3.66	10.98	173	82	255	21.80	0.4545	3.000
	63.27	39.93	100.30	12/2.59	7/2.59	12.95	175	290	465	53.00	0.4567	2.500
70	74.82	12.47	87.29	6/3.99	1/3.99	11.97	205	97	302	25.70	0.3825	
	73.37	42.8	116.17	12/2.79	7/2.79	13.95	203	335	538	61.20	0.3936	
75	79.2	13.2	92.40	6/4.10	1/4.10	12.30	217	103	320	27.20	0.3622	2.500
80	83.88	13.98	97.86	6/4.22	1/4.22	12.66	230	109	339	28.80	0.3419	
90	95.4	15.9	111.30	6/4.50	1/4.50	13.50	262	124	386	32.70	0.3007	2.000
100	105	17.5	122.50	6/4.72	1/4.72	14.16	288	137	425	36.00	0.2733	
		13.5	118.50		7/1.57	14.15		106	394	32.70		
100	105	20.44	126.20	7/4.39	7/1.93	14.57	290	160	450	40.90	0.2712	
		131.3	16.8	148.10	6/5.28	7/1.75	15.81	360	132	492	40.70	
125	132.1	20.1	152.20	26/2.54	7/1.91	15.89	365	157	522	46.40	0.2187	
		130.3	7.25	137.50	18/3.05	1/3.05	15.25	362	57	419	29.80	0.2189