



ALL ALUMINUM CONDUCTOR (AAC) - IS 398 (PART I) : 1996

Nominal Area	Sectional Area	Stranding		Diameter of Complete Conductor	Conductor Weight	Rated Strength	DC Resistance @ 20°C	Current Capacity	
		No. of Wires	Individual wire diameter					@ 75°C	@ 85°C
(mm ²)	(mm ²)	(No.)	(mm)	(mm)	(Kg/km)	KN	(Ω/Km)	(Ampere)	(Ampere)
25	26.85	7	2.21	6.63	74.0	4.52	1.0960	109	129
50	52.83	7	3.10	9.3	145.0	8.25	0.5525	163	196
100	106	7	4.39	13.17	290.0	15.96	0.2752	247	300
150	150.9	19	3.18	15.9	415.0	23.28	0.1942	303	372
240	237.6	19	3.99	19.95	654.0	35.74	0.1235	394	488
300	322.7	19	4.65	23.25	888.0	48.74	0.0911	468	586

ALL ALUMINUM CONDUCTOR (AAC) - BS 215 PART-I

MIDGE-22	23.33	7	2.06	6.18	64.0	3.99	1.2270	101	120
ANT-50	52.83	7	3.10	9.3	145.0	8.28	0.5419	165	198
FLY-60	63.55	7	3.40	10.2	174.0	9.9	0.4505	184	222
WASP-100	106	7	4.39	13.17	290.0	16	0.2702	249	303
HORNET-150	157.6	19	3.25	16.25	434.0	25.7	0.1825	314	385
CHAFFER-200	213.2	19	3.78	18.9	587.0	32.4	0.1349	374	462
COCKROACH-250	265.7	19	4.22	21.1	731.0	40.4	0.1083	424	527
BUTTERFLY-300	322.7	19	4.65	23.25	888.0	48.75	0.0892	473	592
CENTIPEDE-400	415.2	37	3.78	26.46	1145.0	63.1	0.0694	544	687

