

AAC CONDUCTORS

CODE WORD	ELECTRICAL CHARACTERISTICS					MECHANICAL CHARACTERISTICS							PING DATA						
	Nominal Copper Area	Calculated Equivalent Area of Aluminium	Calculated Resistance at 20 ° C when corrected to Standard weight	Approx Current Carrying Capacity		No. of Wires	Diameter of Wires	Diameter of Conductor	Approx Weight of Conductor	Approx Ultimate Tensile Strength of Conductor	Calculated Approximate Modulus of Elasticity	Calculated Approx Co efficient of Linear Expansion	Standard Length Metres	No. of Length in One Reel	Nomenclature or Flange Dia	Approx Packed Gross Wt. of Reels with Conductor	Inside Traverse	Barrel Dia	Flange Dia
				At 40° C ambient Temperature Amp	At 45° C ambient Temperature Amp														
Sq.mm	Sq.mm	Ohms/Km				mm	mm	Kg / Km	Kg	Kg / CM <sup>2</sup> X 10 <sup>-2</sup>	°C x 10 <sup>6</sup>			mm	Kg	mm	mm	mm	
ROSE	13	20.89	1.36200	-	-	7	1.96	5.88	58.00	385	0.6187	23.00	1420	4	990	514.00	457.00	597.00	51.00
GNAT	16	26.56	1.07100	-	-	7	2.21	6.63	73.00	485	0.6187	23.00	2235	2	990	514.00	457.00	597.00	51.00
IRIS	20	32.37	0.87870	-	-	7	2.44	7.32	89.00	580	0.6187	23.00	1830	2	990	514.00	457.00	597.00	51.00
LADY BIRD	25	42.33	0.67210	178	165	7	2.79	8.37	117.00	737	0.6187	23.00	1402	2	990	514.00	457.00	597.00	51.00
ANT	30	52.26	0.54440	204	189	7	3.10	9.3	145.00	892	0.6187	23.00	1140	2	990	514.00	457.00	597.00	51.00
FLY	40	62.86	0.45260	229	212	7	3.40	10.2	174.00	1051	0.6187	23.00	1900	1	990	514.00	457.00	597.00	51.00
BLUE BOTTLE	45	72.84	0.39060	252	234	7	3.66	10.98	201.00	1203	0.6187	23.00	1597	1	990	514.00	457.00	597.00	51.00
EARWING	48	77.70	0.36620	264	245	7	3.78	11.34	215.00	1272	0.6187	23.00	1494	1	990	514.00	457.00	597.00	51.00
GRASS HOPPER	50	83.13	0.34220	275	255	7	3.91	11.73	230.00	1356	0.6187	23.00	1396	1	990	514.00	457.00	597.00	51.00
CLEGG	60	94.56	0.30090	298	276	7	4.17	12.51	261.00	1523	0.6187	23.00	1231	1	990	514.00	457.00	597.00	51.00
WASP	65	104.80	0.27150	318	295	7	4.39	13.17	290.00	1673	0.6187	23.00	1107	1	990	514.00	457.00	597.00	51.00
CATER PILLAR	110	183.00	0.15550	460	386	19	3.53	10.59	511.00	2985	0.6082	23.00	1714	1	1245	1240.00	660.00	597.00	76.00
CHAFER	130	209.90	0.13560	504	468	19	3.78	18.9	586.00	3381	0.6082	23.00	1494	1	1245	1240.00	660.00	597.00	76.50
SPIDER	140	233.80	0.12170	540	500	19	3.99	19.95	652.00	3736	0.6082	23.00	1346	1	1245	1240.00	660.00	597.00	76.50
COCKROACH	160	261.50	0.10880	575	534	19	4.22	21.1	730.00	4144	0.6082	23.00	1200	1	1245	1240.00	660.00	597.00	76.50
BUTTERFLY	185	317.50	0.08959	655	608	19	4.65	23.25	886.00	4947	0.6082	23.00	990	1	1346	1280.00	660.00	711.00	76.50
MOTH	225	367.20	0.07749	720	660	19	5.00	25	1025.00	5695	0.6082	23.00	856	1	1346	1280.00	660.00	711.00	76.50
LOCUST	260	421.90	0.06743	790	734	19	5.36	26.8	1176.00	6516	0.6082	23.00	747	1	1346	1280.00	660.00	711.00	76.50
MAYBUG	300	473.60	0.05982	850	790	37	4.09	28.63	1343.00	7289	0.5976	23.00	1158	1	1600	2150.00	660.00	711.00	86.00
SCORPION	325	518.40	0.05488	895	830	37	4.27	29.89	1464.00	7878	0.5976	23.00	1058	1	1600	2150.00	660.00	711.00	86.00