Inventta Energy
MANUFACTURING

CONDUCTOR DATA SHEET

AAC CONDUCTORS

METRIC UNITS
BS 215-1 · IEC 61089

Code name	Area	Stranding and wire diameter	Approx. overall	Approx.	Rated	Max. DC resistance
	Aluminium	Aluminium	diameter	weight	strength	at 20 °C
	mm²	no./mm	mm	kg/km	kN	Ω/km
MIDGE	23.3	7/2.06	6.18	64	3.7	1.2357
GNAT	26.9	7/2.21	6.63	74	4.2	1.0737
MOSQUITO	36.9	7/2.59	7.77	102	5.8	0.7817
LADYBIRD	42.8	7/2.79	8.37	118	6.7	0.6736
ANT	52.8	7/3.10	9.30	146	8.3	0.5457
FLY	63.5	7/3.40	10.20	175	10.0	0.4536
BLUEBOTTLE	73.7	7/3.66	10.98	203	11.5	0.3914
EARWIG	78.5	7/3.78	11.34	217	12.3	0.3670
GRASSHOPPER	84.0	7/3.91	11.73	232	13.2	0.3430
CLEGG	95.6	7/4.17	12.51	264	15.0	0.3016
WASP	106.0	7/4.39	13.17	292	16.6	0.2721
BEETLE	106.4	19/2.67	13.35	293	16.7	0.2710
HORNET	157.6	19/3.25	16.25	435	24.7	0.1829
CATERPILLAR	185.9	19/3.53	17.65	513	29.1	0.1550
CHAFER	213.2	19/3.78	18.90	588	33.4	0.1352
SPIDER	237.6	19/3.99	19.95	655	37.2	0.1214
COCKROACH	265.8	19/4.22	21.10	733	41.7	0.1085
BUTTERFLY	322.7	19/4.65	23.25	890	50.6	0.0893
DRONE	372.4	37/3.58	25.06	1,027	58.4	0.0774
CENTIPEDE	415.2	37/3.78	26.46	1,145	65.1	0.0694
MAYBUG	486.1	37/4.09	28.63	1,340	76.2	0.0593
SCORPION	529.8	37/4.27	29.89	1,461	83.0	0.0544
CICADA	628.3	37/4.65	32.55	1,732	98.5	0.0459

Note: all data in this data sheet is nominal and for information purposes only, calculated from the standard construction (Al 1350 61 % IACS, Al alloy 52.5 % IACS, galvanised steel). Final values are given in the approved Technical Data Sheet (TDS) for each order. Other sizes and customer specifications on request. Drum lengths to customer requirements. Prices on request. Cables are manufactured according to the applicable customer specifications and relevant technical standards. Compliance with specific EN standards is subject to verification and confirmation through the required testing.