

ALL ALUMINIUM CONDUCTOR (AAC-Insulated)

APPLICATION

All Aluminium Conductor are the favoured type for use on relatively short spans, particularly low and medium voltage distribution lines.

STANDARD

BS 215 part-1
BDS 1036
BS 6485

CONSTRUCTION

Conductor: Stranded Aluminium wire to BS 2627
Insulation: PVC, TI1 to BS 7655



PHYSICAL DATA									TECHNICAL DATA		
Code Name	Nominal Aluminium Area	Cross sectional area of conductor	Number of strands & diameter of wire	Approx. Diameter of bare conductor	Approx. weight of bare conductor	Minimum thickness of insulation	Approximate overall diameter	Approx. weight of insulated conductor	Minimum breaking load	Maximum D.C resistance of conductor at 20 °C	Current rating at 35 °C ambient temp.
	mm ²	mm ²	no./mm	mm	kg/km	mm	mm	kg/km	kgf	W/km	Amp
MIDGE	22	23.3	7/2.06	6.18	64	0.8	8.2	98	408	1.227	106
GNAT	25	26.9	7/2.21	6.6	74	0.8	8.6	110	468	1.068	115
MOSQUITO	35	36.9	7/2.59	7.8	102	0.8	9.8	143	617	0.7731	134
ANT	5	52.8	7/3.10	9.3	145	0.8	11.3	192	846	0.5419	172
FLY	60	63.6	7/3.40	10.2	174	0.8	12.2	230	1010	0.4505	191
BLUEBOTTELE	70	73.6	7/3.66	11.0	203	0.8	13.0	261	1156	0.3884	210
EARWISE	75	78.6	7/3.78	11.4	216	0.8	13.4	275	1218	0.3645	218
GRASSHOPPER	80	84.1	7/3.91	11.7	232	0.8	13.8	292	1303	0.3405	228
CLEGG	90	95.6	7/4.17	12.5	264	0.8	14.6	330	1482	0.2994	245
WASP	100	106.0	7/4.39	13.2	290	0.8	15.6	372	1632	0.2702	260