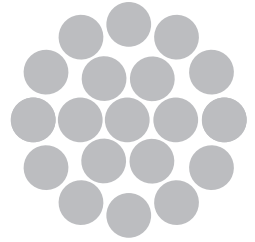


All Aluminum Conductors (AAC)

For transmission and distribution in electrical networks with relatively short spans

Standard : DIN 48201- Part 5, BS 215
 Conductor : Hard drawn stranded aluminum wires
 Packing : Non returnable wooden drums as per customer requirements



TECHNICAL INFORMATION

A-According To DIN 48201

Nominal Cross Section	Number & nominal wire diameter	Approx. Overall diameter	Approx. Conductor weight	Max DC Resistance at 20°C	Calculated Breaking Load
mm ²	NR x mm	mm	Kg/km	ohm/km	KN
16	7x1.70	5.1	45	1.8017	2.84
25	7x2.10	6.3	65	1.1807	4.17
35	7x2.50	7.5	95	0.8331	5.78
50	7x3.00	9.0	135	0.5786	7.94
50	19x1.80	9.0	135	0.5949	8.45
70	19x2.10	10.5	180	0.4371	11.32
95	19x2.50	12.5	255	0.3084	15.68
120	19x2.80	14.0	320	0.2459	18.78
150	37x2.25	15.7	405	0.1960	25.30
185	37x2.50	17.5	500	0.1587	30.54
240	61x2.25	20.2	670	0.1191	39.51
300	61x2.50	22.5	825	0.09649	47.70
400	61x2.89	26.0	1105	0.07220	60.86
500	61x3.23	29.1	1380	0.05781	74.67
630	91x2.96	32.6	1730	0.04625	95.25

B-According To BS 215

Code Name	Nominal Cross Section	Number & nominal wire diameter	Approx. Overall diameter	Approx. Conductor weight	Max DC Resistance at 20°C	Calculated Breaking Load
Name	mm ²	NR x mm	mm	Kg/km	ohm/km	KN
MIDGE	22	7X2.06	6.18	64	1.227	3.99
ANT	50	7X3.10	9.30	145	0.5419	8.28
FLY	60	7X3.40	10.2	174	0.4505	9.90
WASP	100	7X4.39	13.17	290	0.2702	16.0
HORNET	150	19X3.25	16.25	434	0.1825	25.7
CHAFER	200	19X3.78	18.9	587	0.1349	32.4
COCKROACH	250	19X4.22	21.1	731	0.1083	40.0
BUTTERFLY	300	19X4.65	23.25	888	0.08916	48.75
CENTIPEDE	400	19X3.78	26.46	1145	0.06944	56.10