

Product Specifications



AAC CONDUCTOR

Standard

- ASTM B231
- IEC61089
- BS215

Construction

- Aluminum 1350-H19 wires, concentrically stranded
- Max. size 2000mm²(4000MCM)/ Max. str. no. 127 wires

Application

- Used in Overhead transmission for primary or secondary distribution lines.

AAC-IEC61089							
Code Number	Nominal Cross-section Area	Stranding No. & Wire Dia.		Approx. Overall Dia.	Approx. Weight	Nominal breaking Strength	Maximum D.C. Resistance at 20°C
		No.s	mm				
25	25	7	2.13	6.4	68.4	4.5	1.1453
125	125	19	2.89	14.5	343.6	21.25	0.2302
400	400	37	3.71	26	1102	64	0.0721
630	630	61	3.63	32.6	1738.3	100.8	0.0458
1500	1500	91	4.58	50.4	4143.1	240	0.0193

Product Specifications

AAC-ASTM B231							
Total Area		Stranding No. & Wire Dia.		Approx. Overall Dia.	Approx. Weight	Nominal Breaking Strength	Maximum D.C. Resistance at 20°C
AWG/MCM	mm ²	No.s	mm	mm	Kg/km	daN	Ω/km
4	21.16	7	1.96	5.88	58	396	1.3624
1/0	53.48	7	3.12	9.36	148	873	0.539
250	126.68	19	2.91	14.55	348	2062	0.2275
500	253.35	37	2.95	20.65	697	4035	0.1138
795	402.83	61	2.9	26.1	1122	6345	0.0715
795	402.83	37	3.72	26.04	1120	6232	0.0715
3500	1773.45	127	4.21	54.73	4922	26200	0.0166

AAC-BS215								
Code Name	Nominal Cross-section Area	Calculated Cross-section Area	Stranding No. & Wire Dia.		Approx. Overall Dia.	Approx. Weight	Nominal breaking Strength	Maximum D.C. Resistance at 20°C
	mm ²	mm ²	No.s	mm	mm	kg/km	daN	Ω/km
Midge	22	25	7	2.06	6.18	64	399	1.227
Grasshopper	80	91	7	3.91	11.73	232	1278	0.3406
Beetle	100	116	19	2.67	13.35	293	1742	0.2704
Hornet	150	171	19	3.25	16.25	435	2570	0.1825
Caterpillar	175	202	19	3.53	17.65	513	2863	0.1547
Butterfly	300	351	19	4.65	23.25	890	4875	0.0892
Tarantula	750	864	37	5.23	36.61	2192	12010	0.0363