

AAC EC 1350

All Aluminium Conductor EC 1350

Standard Specification : IEC 61089 : 1991



Aluminium EC 1350

Technical Properties

Size	Number / Dia. of Wire	Calculated Cross Sect. Area	Approx. Overall Diameter	Approx. Weight	Calculated Breaking Load	DC Resistance at 20° C Max.	Current Carrying Capacity *	Standard Length per Reel
mm ²	No. / mm	mm ²	mm	kg/km	kN	Ohm/km	A	m
10	7 / 1.35	10.0	4.05	27	1.95	2.863	78	2,000
16	7 / 1.71	16.1	5.13	44	3.04	1.7896	105	2,000
25	7 / 2.13	24.9	6.39	68	4.50	1.1453	139	2,000
40	7 / 2.7	40.1	8.10	110	6.80	0.7158	188	2,000
63	7 / 3.39	63.2	10.17	173	10.39	0.4545	251	2,000
100	19 / 2.59	100.1	12.95	275	17.00	0.2877	338	2,000
125	19 / 2.89	124.6	14.45	343	21.25	0.2302	389	2,000
160	19 / 3.27	159.6	16.35	439	26.40	0.1798	456	2,000
200	19 / 3.66	199.9	18.30	549	32.00	0.1439	526	2,000
250	19 / 4.09	249.6	20.45	686	40.00	0.1151	607	2,000
315	37 / 3.29	314.5	23.03	866	51.97	0.0916	703	2,000
400	37 / 3.71	400.0	25.97	1,102	64.00	0.0721	819	2,000
450	37 / 3.94	451.1	27.58	1,242	72.00	0.0641	883	2,000
500	37 / 4.15	500.5	29.05	1,378	80.00	0.0577	943	2,000
560	37 / 4.39	560.0	30.73	1,542	89.60	0.0515	1,012	2,000
630	61 / 3.63	631.3	32.67	1,742	100.80	0.0458	1,089	2,000
710	61 / 3.85	710.1	34.65	1,960	113.60	0.0407	1,171	2,000
800	61 / 4.09	801.4	36.81	2,212	128.00	0.0361	1,259	2,000
900	61 / 4.33	898.2	38.97	2,479	144.00	0.0321	1,350	1,000
1000	61 / 4.57	1000.6	41.13	2,761	160.00	0.0289	1,436	1,000
1120	91 / 3.96	1120.8	43.56	3,101	179.20	0.0258	1,532	1,000
1250	91 / 4.18	1248.8	45.98	3,455	200.00	0.0231	1,629	1,000
1400	91 / 4.43	1402.6	48.73	3,881	224.00	0.0207	1,731	1,000
1500	91 / 4.58	1499.2	50.38	4,148	240.00	0.0193	1,796	1,000

* Note : Ambient temperature : 35° C Continuous operating temperature of conductor : 80° C
wind velocity : 0.5 m/sec Conductivity of Al : 61% IACS