

AAC EC 1350

All Aluminium Conductor EC 1350

Standard Specification : AS 1531 - 1991



Aluminium EC 1350

Technical Properties

Type	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
	No. / mm	mm ²	mm	kg/km	kN	Ohm/km	A	m
Leo	7 / 2.50	34.4	7.50	94	5.71	0.833	171	2,000
Leonids	7 / 2.75	41.6	8.25	114	6.72	0.689	193	2,000
Libra	7 / 3.00	49.5	9.00	135	7.98	0.579	215	2,000
Mars	7 / 3.75	77.3	11.25	211	11.8	0.370	286	2,000
Mercury	7 / 4.50	111.3	13.50	304	16.9	0.258	361	2,000
Moon	7 / 4.75	124.0	14.25	339	18.9	0.232	386	2,000
Neptune	19 / 3.25	157.6	16.25	433	24.7	0.183	451	2,000
Orion	19 / 3.50	182.8	17.50	502	28.7	0.157	498	2,000
Pluto	19 / 3.75	209.8	18.75	577	31.9	0.137	543	2,000
Saturn	37 / 3.00	261.5	21.00	720	42.2	0.110	626	2,000
Sirius	37 / 3.25	306.9	22.75	845	48.2	0.094	692	2,000
Taurus	19 / 4.75	336.7	23.75	925	51.3	0.0857	733	2,000
Triton	37 / 3.75	408.7	26.25	1,125	62.2	0.0706	830	2,000
Uranus	61 / 3.25	506.0	29.25	1,397	75.2	0.0572	949	2,000
Ursula	61 / 3.50	586.9	31.50	1,620	87.3	0.0493	1,041	2,000
Venus	61 / 3.75	673.7	33.75	1,859	97.2	0.0428	1,135	2,000

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