



## ALL ALUMINUM CONDUCTOR (AAC) - AS 1531

Nominal Area	Sectional Area	Stranding		Diameter of Complete Conductor	Conductor Weight	Rated Strength	DC Resistance @ 20°C	Current Capacity	
		No. of Wires	Individual wire diameter					@ 75°C	@ 85°C
(mm <sup>2</sup> )	(mm <sup>2</sup> )	(No.)	(mm)	(mm)	(Kg/km)	KN	(Ω/Km)	(Ampere)	(Ampere)
Leo	34.36	7	2.50	7.5	94.3	5.71	0.8330	128	152
Leonids	41.58	7	2.75	8.25	113.0	6.72	0.6890	143	171
Libra	49.48	7	3.00	9	135.0	7.98	0.5790	159	190
Mars	77.31	7	3.75	11.3	211.0	11.8	0.3700	207	250
Mercury	111.3	7	4.50	13.5	304.0	16.9	0.2580	256	311
Moon	124.04	7	4.75	14.3	339.0	18.9	0.2320	272	332
Neptune	157.62	19	3.25	16.3	433.0	24.7	0.1830	313	385
Orion	182.8	19	3.50	17.5	503.0	28.7	0.1570	342	422
Pluto	209.85	19	3.75	18.8	576.0	31.9	0.1370	370	458
Saturn	261.54	37	3.00	21	721.0	42.2	0.1100	420	523
Sirius	306.94	37	3.25	22.8	845.0	48.2	0.0940	460	575
Taurus	336.69	19	4.75	23.8	924.0	51.3	0.0857	484	607
Triton	408.65	37	3.75	26.3	1120.0	42.2	0.0706	540	681
Uranus	506.04	61	3.25	29.3	1400.0	48.2	0.0572	606	771
Ursula	586.89	61	3.50	31.5	1620.0	51.3	0.0493	657	840
Venus	673.73	61	3.75	33.8	1860.0	97.2	0.0429	707	910

