

BARE OVERHEAD CONDUCTORS

28. AAC 1350 – ALL ALUMINIUM CONDUCTORS



These conductors are used in low, medium and high voltage overhead lines for power Transmission. AAC has seen extensive use in urban areas where spans are usually short but high conductivity is required. The excellent corrosion resistance of aluminium has made AAC a conductor of choice in coastal areas.

STANDARD	AS/NZS 1531
CONDUCTOR	Aluminium 1350 (Class 2)

Product Name	Conductor			Approximate Mass kg/km	Calculated breaking load (min.) kN
	No./mm	mm ²	Diameter		
LEO	7/2.50	34.4	7.5	94.3	5.7
LEONIDS	7/2.75	41.6	8.3	113.0	6.7
LIBRA	7/3.00	49.5	9.0	135.0	8.0
MARS	7/3.75	77.3	11.3	211.0	11.8
MERCURY	7/4.50	111.0	13.5	304.0	16.9
MOON	7/4.75	124.0	14.3	339.0	18.9
NEPTUNE	19/3.25	158.0	16.3	433.0	24.7
ORION	19/3.50	183.0	17.5	503.0	28.7
PLUTO	19/3.75	210.0	18.8	576.0	31.9
SATURN	37/3.00	262.0	21.0	721.0	42.2
SIRIUS	37/3.25	307.0	22.8	845.0	48.2
TAURUS	19/4.75	337.0	23.8	924.0	51.3
TRITON	37/3.75	409.0	26.3	1,120.0	62.2
TROJANS	61/3.00	431.0	27.0	1,192.0	66.0
URANUS	61/3.25	506.0	29.3	1,400.0	75.2
HERSHEL A	61/3.50	587.0	31.5	1,620.0	87.3
VENUS	61/3.75	673.4	33.8	1,860.0	97.2