

AAAC 1120

All Aluminium Alloy Conductor 1120

Standard Specification : AS 1531 - 1991



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
Chlorine	7 / 2.50	34.4	7.50	94	8.20	0.864	175	2,000
Chromium	7 / 2.75	41.6	8.25	114	9.90	0.713	198	2,000
Fluorine	7 / 3.00	49.5	9.00	135	11.80	0.599	221	2,000
Helium	7 / 3.75	77.3	11.25	211	17.6	0.383	294	2,000
Hydrogen	7 / 4.50	111.3	13.50	304	24.3	0.266	372	2,000
Iodine	7 / 4.75	124.0	14.25	339	27.1	0.239	398	2,000
Krypton	19 / 3.25	157.6	16.25	433	37.4	0.189	464	2,000
Lutetium	19 / 3.50	182.8	17.50	502	41.7	0.163	511	2,000
Neon	19 / 3.75	209.8	18.75	577	47.8	0.142	558	2,000
Nitrogen	37 / 3.00	261.5	21.00	720	62.2	0.114	643	2,000
Nobelium	37 / 3.25	306.9	22.75	845	72.8	0.0973	712	2,000
Oxygen	19 / 4.75	336.7	23.75	925	73.6	0.0884	755	2,000
Phosphorus	37 / 3.75	408.7	26.25	1,125	93.1	0.0731	854	2,000
Selenium	61 / 3.25	506.0	29.25	1,397	114	0.0592	976	2,000
Silicon	61 / 3.50	586.9	31.50	1,620	127	0.0511	1,070	2,000
Sulfur	61 / 3.75	673.7	33.75	1,859	145	0.0444	1,167	2,000

*Note : Ambient temperature : 35°C Continuous operating temperature of conductor : 80°C
 Wind velocity : 0.5 m/sec Conductivity of Al : 58.85% IACS