



## CONDUCTOR DATA SHEET

### All Aluminum Alloy 1120 Conductors ( AAAC-1120 )



Code Name	Area Actual	Equivalent Copper Area	Stranding	Overall Diameter	Weight	Rated Strength	Maximum DC Resistance at 20°C
	mm <sup>2</sup>	mm <sup>2</sup>	N° / mm	mm	kg/km	kN	Ω /km
Chlorine	34.36	20.3	7/2.50	7.50	94.3	8.18	0.864
Chromium	41.58	24.5	7/2.75	8.25	113	9.91	0.713
Fluorine	49.48	29.2	7/3.00	9.0	135	11.8	0.599
Helium	77.28	45.6	7/3.75	11.3	211	17.6	0.383
Hydrogen	111.3	65.7	7/4.50	13.5	304	24.3	0.266
Iodine	124.0	73.2	7/4.75	14.3	339	27.1	0.239
Krypton	157.6	93.0	19/3.25	16.3	433	37.4	0.189
Lutetium	182.8	107.9	19/3.50	17.5	503	41.7	0.163
Neon	209.8	123.8	19/3.75	18.8	576	47.8	0.142
Oxygen	336.7	198.7	19/4.75	23.8	924	73.6	0.0884
Nitrogen	261.6	154.3	37/3.00	21.0	721	62.2	0.114
Nobelium	307.0	181.1	37/3.25	22.8	845	72.8	0.0973
Phosphorous	408.5	241.0	37/3.75	26.3	1120	93.1	0.0731
Selenium	506.1	298.6	61/3.25	29.3	1400	114	0.0592
Silicon	586.9	346.3	61/3.50	31.5	1620	127	0.0511
Sulfur	673.4	397.3	61/3.75	33.8	1860	145	0.0444

Note: All the data set out in this catalogue is given for information purpose only and Midal Cables shall not be held responsible for its accuracy