

Common Conductors (AAAC)

CONDUCTOR CODE NAME	CONDUCTOR			EQUIVALENT ELECTRICAL AREAS		CALCULATED MIN BREAKING LOAD	
	ELEMENTS	ACTUAL AREA	No. OF STRANDS/ WIRE DIAMETER	NOM. OVERALL DIAMETER	ALUMINIUM		COPPER
		mm ²		mm	mm ²		mm ²
Argon	17	7/1.75	5.3	16.1	10.3	4.0	
Boron	28	7/2.25	6.8	26.5	17.0	6.6	
Chlorine	34	7/2.50	7.5	32.8	21.0	8.2	
Chromium	42	7/2.75	8.3	39.7	25.4	9.9	
Fluorine	50	7/3.00	9.0	47.2	30.2	11.8	
Helium	77	7/3.75	11.3	73.7	47.1	17.6	
Hydrogen	111	7/4.50	13.5	106.0	67.9	24.3	
Iodine	124	7/4.75	14.3	118.0	75.6	27.1	
Krypton	158	19/3.25	16.3	150.0	94.2	37.4	
Lutetium	183	19/3.50	17.5	173.0	109.5	41.7	
Neon	210	19/3.75	18.8	199.0	124.8	47.8	
Nitrogen	262	37/3.00	21.0	248.0	155.6	62.2	
Nobelium	307	37/3.25	22.8	291.0	182.5	72.8	
Oxygen	337	19/4.75	23.8	320.0	200.7	73.6	
Phosphorus	409	37/3.75	26.3	387.0	242.8	93.1	
Selenium	506	61/3.25	29.3	478.0	299.9	114.0	
Silicon	587	61/3.50	31.5	555.0	348.2	127.0	
Sulphur	673	61/3.75	33.8	636.0	399.0	145.0	