

# WAPDA SPECIFICATION CONDUCTORS

## WAPDA SPECIFICATION OVERHEAD CONDUCTORS AAC P-63 All Aluminium Conductor (AAC) P-63

Code name	Nominal Size	Strands and wire diameter	Dia of complete conductor	Calculated area of complete conductor	Ultimate strength	Maximum D.C resistance at 20° C	Weight
	mm <sup>2</sup>	No/mm	mm	mm <sup>2</sup>	Kg	Ohms/km	Kg/km
Gant	25	7/2.21	6.63	26.85	469	1.0661	73.4
Ant	50	7/3.10	9.30	52.83	847	0.5419	144.4
Wasp	100	7/4.39	13.17	105.95	1633	0.2702	290.1
Arbutus	400	37/3.72	26.06	402.14	6304	0.0717	1108.7
Hawthorn	600	61/3.55	31.95	603.78	8966	0.0479	1668.1
Coreopsis	810	61/4.11	36.99	1075.06	13670	0.0356	2241.0

## All Aluminium Alloy Conductor (AAAC) P-117-79

Code name	Stranding and wire diameter	Dia of complete conductor	Calculated area of complete conductor	Rated ultimate strength	(Max.) D.C. resistance at 20°C	Weight
	No/mm	mm	mm <sup>2</sup>	kg	Ohms/km	Kg/km
Almond	7/2.34	7.02	30.10	903	1.094	82
Azoza	7/3.37	10.11	62.44	1873	0.527	171
Alliance	7/4.77	14.30	125.09	3753	0.263	342
Cairo	19/3.98	19.90	236.38	7091	0.1740	650
Greely	37/4.02	28.14	469.60	13835	0.071	1295