



APPLICATION Aerial service cable to domestic and small to medium size commercial and industrial installations. Extra UV stability due to increased carbon black sheath.	STANDARD	AS/NZS 5000.1 (For metric sizes only)
	VOLTAGE	600/1000V
	CONDUCTOR INSULATION	Hard Drawn Copper PVC, V-90 Black
	MAX. OPERATING TEMP.	75°C

Item Number	Conductor		CABLE			Minimum Installed Bending Radius mm
	Nominal Area mm ²	Number & Diameter of Wires (No./mm)	Overall Diameter		Approx Mass Per 100m kg	
			Min mm	Max mm		
DC862	6	7/1.04	10.2	10.8	15.0	60
DC872	10	7/1.35	12.01	12.6	23.5	80
DC882	16	7/1.70	14.2	14.8	35.6	90
DC892	25	19/1.35	18.2	19.0	59	110

CONDUCTOR		ELECTRICAL CHARACTERISTICS					
Nominal Area mm ²	CURRENT RATING 2m/s wind A	Maximum DC Resistance @ 20°C Ω/km	Maximum AC Resistance @ 75°C Ω/km	Maximum AC Resistance @ 90°C Ω/km	Equivalent Star Reactance Ω/km	3 Phase Voltage Drop (75°C) mV/Am	3 Phase Voltage Drop (90°C) mV/Am
6	59	3.17	3.75	3.93	0.369	6.96	7.29
10	80	1.88	2.23	2.33	0.352	4.03	4.22
16	107	1.18	1.40	1.47	0.338	2.56	2.68
25	142	0.749	0.874	0.927	0.318	1.66	1.74

- (a) Based on an ambient air temperature of 40°C, a maximum conductor temperature of 75°C and exposure to direct sunlight having an intensity of 1000W/m².

DOMINION WIRE & CABLES LTD.

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