



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

Item Number	Conductor		CABLE			Minimum Installed Bending Radius  mm
	Nominal Area mm <sup>2</sup>	Number & Diameter of Wires (No./mm)	Overall Diameter		Approx Mass Per 100m kg	
			Min mm	Max mm		
DC863	6	7/1.04	11.0	11.9	22.5	70
DC873	10	7/1.35	13.0	14.0	35.2	80
DC883	16	7/1.70	15.3	16.4	53.3	100
DC893	25	19/1.35	19.7	21.0	89.4	130

CONDUCTOR		ELECTRICAL CHARACTERISTICS					
Nominal Area mm <sup>2</sup>	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	56	3.17	3.75	3.93	0.369	6.49	6.80
10	76	1.88	2.23	2.33	0.352	3.86	4.05
16	100	1.18	1.40	1.47	0.338	2.43	2.55
25	133	0.749	0.884	0.927	0.318	1.54	1.61

- (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/m<sup>2</sup>.
- (b) For single phase voltage drop, multiply by 1.155

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**QUALITY CABLE MANUFACTURES, DISTRIBUTORS AND EXPORTERS**

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