



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 Overall Diameter		Approx. Mass Per 100m kg	Minimum Installed Bending Radius mm
	Nominal Area mm ²	Number & Diameter Of Wires (No./mm)	Minimum mm	Maximum mm		
DC864	6	7/1.04	12.3	13.2	30.0	80
DC874	10	7/1.35	14.6	15.5	47.0	90
DC884	16	7/1.70	17.1	18.1	71	110
DC894	25	19/1.35	22.0	23.2	119	140

CONDUCTOR		ELECTRICAL CHARACTERISTICS					
Nominal Area	CURRENT RATING 2m/s wind	Maximum DC Resistance @ 20°C	Maximum AC Resistance @ 75°C	Maximum AC Resistance @ 90°C	Equivalent Star Reactance	3 Phase Voltage Drop (75°C) mV/Am	3 Phase Voltage Drop (90°C) mV/Am
mm ²	A	Ω/km	Ω/km	Ω/km	Ω/km		
6	56	3.17	3.75	3.93	0.369	6.49	6.80
10	76	1.88	2.23	2.33	.0352	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	1.67

(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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