



POWERMAC CABLES AUSTRALIA PTY LTD

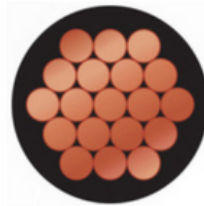
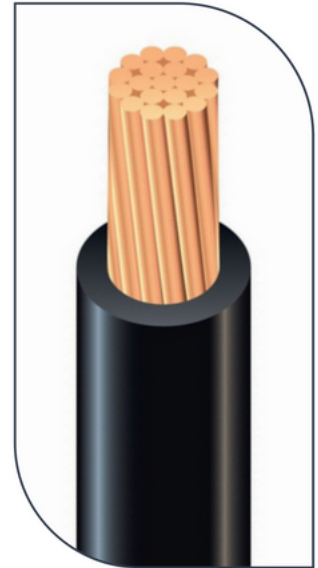
Technical Data Sheet

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 Coopers Plains, QLD, 4108

SINGLE CORE 0.6/1KV VOLTAGE RATING

Conductor : OXYGEN free plain Copper Wire to AS/NZS 1125
 Application For use in Electrical installations
 Sheath: Black/Earth/White/Blue/Pink/Red/Brown
 Standard: AS/NZS 1125, AS/NZS 3808, AS/NZS 5000.1

**** Overall Diameter Tolerance +/- 10%****



Physical & Electrical Characteristic

Typical Properties							Electrical Data		
STANDARD: AS/NZS 5000.1							Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at 75°C Laid Flat	
CODE	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)		Single Phase	Three Phase
B000.5XXX	1/0.8	0.5	0.8	36	2.4	1.05	5	125	N/A
B001XXX	1/1.13	1	0.8	18.1	2.75	1.6	16	51.63	44.70
B001.5XXX	7/0.50	1.5	0.8	13.6	3.15	2.1	21	33.03	28.60
B002.5XXX	7/0.67	2.5	0.8	7.4	3.65	3.3	30	18.02	15.60
B004XXX	7/0.85	4	1.0	4.0	40	5.3	40	11.22	9.71
B006XXX	7/1.04	6	1.0	3.1	5.15	7.3	51	7.50	6.49
B010XXX	7/1.35	10	1.0	1.83	6.1	11.4	69	4.45	3.86
B016XXX	7/1.70	16	1.0	1.15	7.15	17.1	92	2.80	2.43

Maximum operating temperature: 75°C in normal Use OR 105°C where not subject to, or protected from, mechanical damage (refer AS/NZS 3008.1.1:2009) AMP Ratings are to AS/NZS 3008. Unenclosed-Spaced at 40°C (in air), 25°C (in ground). Refer AS/NZS 3008 for derating factors.