

**HOUSE WIRING CABLES**

COPPER CONDUCTOR, PVC INSULATED WIRES 650/1100 V, SOLID/STANDARD, HOUSE WIRING CABLES									
CONFORMING SPECIFICATION IS 694									
Nominal Area of Conductor	Number / Diameter of Wire	Nominal Thickness of Insulation	Approx. Overall Diameter	Current Carrying Capacity 2cables, single phase		Max. Resistance @ 20°C	Additional Flame Retardent Properties		
				In conduit	Unenclosed		Test	Specifications	Typical Values
Sq. mm	mm	mm	mm	Amps	Amps	ohms/km			
1.00	14/0.3	0.70	2.80	11.00	12.00	18.10	Critical oxygen index	ASTM - D 2863	More than 29%
1.50	22/0.3	0.70	3.10	13.00	13.00	12.10			
2.50	36/0.3	0.80	3.80	18.00	18.00	7.41			
4.00	56/0.3	0.80	4.40	24.00	24.00	4.95			
6.00	84/0.3	0.80	5.20	31.00	37.00	3.30	Temperature Index	ASTM - D 2863 & BICC Handbook	More than 250°C
10.00	140/0.3	1.00	6.60	42.00	60.00	1.91			
16.00	126/0.4	1.00	7.80	57.00	79.00	1.21			
25.00	196/0.4	1.20	9.70	71.00	100.00	0.78			