

PLAIN COPPER CONDUCTOR, PVC INSULATED & UNSHEATHED 650/1100 V, SINGLECORE
CABLES FOR PANEL BOARD WIRING, DOMESTIC WIRING AS PER IS: 694/2010 (UP TO 50 SQ. MM)

AREA IN SQ. MM	CONDUCTOR CONSTRUCTION IN GENERAL	MAX. DC RESISTANCE OHM/KM AT 20 DEGREE C	INSULATION THICKNESS IN MM	CABLE DIA (APPROX)	CURRENT RATING IN AMP
0.50	16/0.20	39.00	0.60	2.20	5
0.75	24/0.20	26.00	0.60	2.50	8
1.00	14/0.30	19.50	0.60	2.60	13
1.50	22/0.30	13.30	0.60	2.90	17
2.5	36/0.30	7.98	0.70	3.50	24
4	56/0.30	4.95	0.80	4.30	30
6		3.300	0.80	5.30	38
10	140/0.30	1.910	1.00	6.70	52
16	126/0.40	1.210	1.20	8.20	70
25	196/0.40	0.780	1.20	10.00	88
35	276/0.40	0.554	1.20	11.30	112
50	396/0.40	0.386	1.40	13.50	146

NOTE: CABLE ABOVE 50 SQ. MM ARE NOT COVERED BY IS:694 BUT ARE AS PER IS:2465

AREA IN SQ. MM	CONDUCTOR CONSTRUCTION IN GENERAL	MAX. DC RESISTANCE OHM/KM AT 20 DEGREE C	INSULATION THICKNESS IN MM	CABLE DIA (APPROX)	CURRENT RATING IN AMP
70.00	360/0.50	0.272	1.60	15.50	216
95.00	485/0.50	0.206	1.80	18.50	262
120.0	608/0.50	0.161	2.00	20.90	310
150.00	750/0.50	0.129	2.00	22.50	355
185.00	925/0.50	0.106	2.20	24.50	415
240.00	1221/0.50	0.0801	2.20	24.60	500
300.00	1527/0.50	0.0641	2.40	27.60	550
400.00	2036/0.50	0.0486	2.60	35.70	590