

EARTHING READY RECKONER

Sr. No.	Item	Copper	Aluminium	G.I.
	Weight of Conductor KG / MTR			
1	No.14 SWG Wire	0.028	-----	0.0254
2	No.12 SWG Wire	0.049	0.0162 (6 MM ²)	0.0043
3	No.8 SWG Wire	0.1155	0.02703 (10 MM ²)	0.102
4	No.6 SWG Wire	0.1668	-----	0.1465
5	No.4 SWG Wire	0.243	-----	0.224
6	No.2 SWG Wire	0.344	0.0945 (32 MM ²)	0.305
7	25 x 3 MM Flat	0.670	0.202	0.590
8	32 x 6 MM Flat	1.715	0.518	1.510
9	50 x 6 MM Flat	2.680	0.810	2.360
10	600 x 600 x 6 MM Thick Plate	19.30	5.83	17.00
11	600 x 600 x 12 MM Thick Plate	38.60	11.66	34.00
	Recommend Earth Conductor for Motors			
1	Up to 15 H.P.	12 SWG	6 MM	8 SWG
2	Up 20 to 30 H.P.	8 SWG	10 MM	4 SWG
3	Up 35 to 50 H.P.	4 SWG	35 MM	25 X 3 MM Flat
4	Above 50 H.P.	25 X 3 MM Flat	25 X 6 MM Flat	32 X 6 MM Flat