

Dimesions of Main Earthing Bars (MEB) and Earthing Conductors (EC)

		Size Of Main Earthing Bars(MEB)			Size Of Earthing Conductors(EC)
No	Prospective Earth Fault Currents for 1 Second Duration (KA)	$S = (\sqrt{I^2t}) / k$ (mm ²)	Nearest Larger Standard (csa) (mm ²)	Standard Copper Bar size (mm x mm)	No x Copper Tape Size
1	10	56.8	75	25 x 3	2 nos - 1 x 25mm x 3mm
2	15	85.2	120	20 x 6	2 nos - 1 x 25mm x 3mm
3	20	113.6	120	20 x 6	2 nos - 1 x 25mm x 3mm
4	25	142.0	150	25 x 6	2 nos - 1 x 25mm x 3mm
5	30	170.5	180	30 x 6	4 nos - 1 x 25mm x 3mm
6	40	227.2	240	40 x 6	4 nos - 1 x 25mm x 3mm
7	50	284.1	300	50 x 6	4 nos - 1 x 25mm x 3mm

Source : L-S1 Table 4