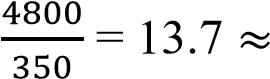
**CALCULATION OF CABLE SIZING**

* The cable sizing for main supply incomer means the cable size for the main incomer that supplies power from the Transformer LV side to the Main LT Panel.
* Total Load Current = 4000A
* Safety Marginconsidered = 20%
* Design current = 4000A \*1.2 = 4800A
* Cable Type = Aluminium, XLPE insulated, 3.5 core, Armoured
* Assuming, One Run of 3.5 core 630 sq.mm Aluminium XLPE cable = approx.. 350A

❖ **Calculation for No. of Runs:**

Required runs = 14 Runs

• Therefore, Main Incomer cable size is **14 Runs of 3.5 core 630sq.mm Aluminium**

**XLPE Armoured Cable**