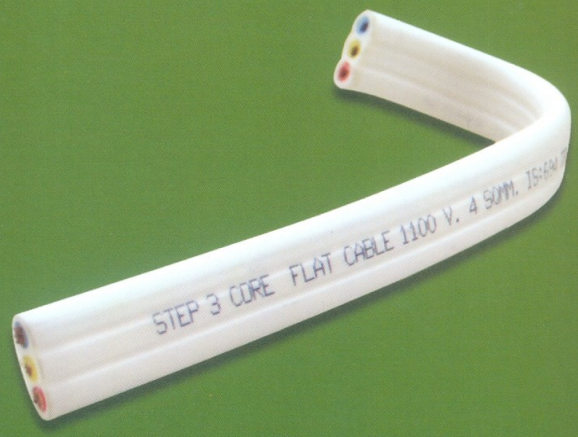
3 CORE XLPE INSULATED
FLAT CABLE



Tecnical Data

- **Conductor:** Flexible annealed electrolytic grade bare copper
- **Insulation:** Cross linked Polyethylene (XLPE)
- **Sheath:** PVC Type ST2 (as per IS 5831 1984)
- **Voltage Grade:** Upto and including 1100V AC 50Hz 3Ph
- **Temperature:** Max conductor temperature of 90°C
- **Specification:** Generally as per IS 7098 (Part 1) 1988

3 CORE FLAT SPECIALISED CABLES AS PER IS 694 : 1990 WITH ISI MARK

Conductor		Insulation	Shealth	Overall Dimensions		Conductor Resistance @20°C (Max) OHMS/KM.
Area Sq. mm.	No. / Dia. of Strands mm.	Thickness (Nom.) mm.	Thickness (Nom.) mm.	Width (Approx.) 'W' mm	Height (Approx.) 'H' mm.	
1.5	22/0.30	0.7	0.9	12.5	5.6	12.10
2.5	36/0.30	0.7	1.0	12.7	6.0	7.41
4	56/0.30	0.7	1.0	14.9	6.6	4.95
6	84/0.30	0.7	1.1	16.9	7.4	3.30
10	140/0.30	0.7	1.2	20.3	9.1	1.91

REMARK : Number / Size of strand mentioned above are for information purpose only. Actual Number / Size of stand will be taken to fulfill the resistance of the Conductor

The number of wires and its diameter in the conductor will be such as to satisfy requirement of the conductor resistance as per IS 8130 : 1984.

Current Carrying Capacity (Amps)

Sr. No.	CABLE TYPE	Size (Sq. mm)				
		1.5	2.5	4.0	6.0	10.0
1	PVC Insulation	14	18	26	31	42
2	XLPE Insulation	22	30	37	46	66

Step Cable make three core flat cables are best suited for submersible application and manufactured with conductor using annealed bare copper wires of electrolytic grade, bunched properly to ensure desired flexibility. The conductor is further insulated with thermoset type Cross Linked Polyethylene (XLPE) insulation with uniform thickness with each of the core colours in red, yellow and blue by using most modern machinery and extrusion techniques. The sheath with uniform thickness of Heat and Moisture Resistanttype PVC (Grade ST2) compound formulated and manufactured inhouse, is extruded over these coloured cores in aflat formation. The colour of the sheath is White Black. The cables undergo stringent quality checks during raw materials, in process and final testing as per the laid down specification and the quality norms. The cables are available progressive sequential marking, company name, size &voltage printed on sheath