

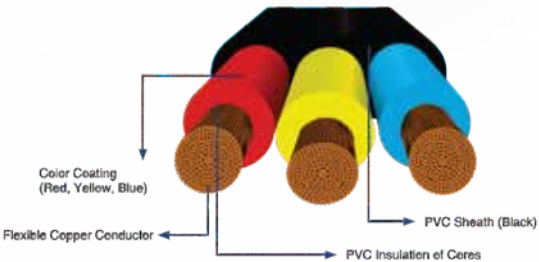
FLAT SUBMERSIBLE CABLES

Swadeshi is one of the most reliable & versatile product. An example of our fine workmanship are our flexible cables for submersible pumps motors. Widely accepted & acclaimed, it enjoys the reputation of being the best in the industry.

Construction:

- Conductor** - Stranded Flexible bare annealed electrolytic grade copper
- Insulation** - Specially formulated PVC (Type-A, C & D)
- Outer sheath** - Specially formulated PVC (ST-1, ST-2 & ST-3)
- Standard** - IS 694 latest version

Application
PVC insulated multi-strand annealed bare copper conductor, three core flat PVC sheathed cable are used for giving electrical connection to the submersible pump motors.



| Conductor Area (Nom.) | Size of Strand | Insulation Thickness (Nom) | Sheath Thickness (Nom.) | Height 'H' (Maximum) | Width 'W' (Maximum) | Current carrying capacity at 40°C |
|-----------------------|----------------|----------------------------|-------------------------|----------------------|---------------------|-----------------------------------|
| Sq.mm | mm | mm | mm | mm | mm | Amps |
| 1.0 | 0.21 | 0.6 | 0.9 | 4.5 | 9.9 | 13 |
| 1.5 | 0.21 | 0.6 | 0.9 | 4.8 | 10.8 | 17 |
| 2.5 | 0.21 | 0.7 | 1.0 | 5.7 | 12.9 | 24 |
| 4 | 0.26 | 0.8 | 1.0 | 6.2 | 14.5 | 30 |
| 6 | 0.26 | 0.8 | 1.1 | 7.2 | 16.4 | 38 |
| 10 | 0.31 | 1.0 | 1.4 | 9.2 | 21.5 | 52 |
| 16 | 0.31 | 1.0 | 1.4 | 10.3 | 24.7 | 70 |
| 25 | 0.41 | 1.2 | 2.0 | 13.1 | 30.9 | 88 |
| 35 | 0.41 | 1.2 | 2.0 | 14.3 | 34.6 | 110 |
| 50 | 0.41 | 1.4 | 2.2 | 15.5 | 40.5 | 145 |



Salient Features:

- * Bright annealed electrolytic grade copper having 99.9% purity and maximum conductivity to ensure minimum power losses. Cores are insulated on modern & precision machines using specially formulated PVC compound having very high thermal properties.
- * Indigenous PVC compound provides better ageing properties, higher operating temperature & enhance insulation characteristics.
- * Outer sheath for Submersible cables is designed to fit closely, maintain flexibility, resist water absorption, abrasion, oil, grease and other environmental effects.

