

## 3 Core Submersible Flat Cable

### UNDERWATER MOTORS AND PUMPS



**The cable's flexibility, durability, and resistance to water ingress make it the most reliable choice for long-term submersible pump operations.**

#### Application :

The 3 Core Submersible Flat Cable is specially designed to power submersible pumps in deep wells. Its unique flat construction with PVC-insulated cores and a strong outer sheath ensures high performance, moisture resistance, and long service life even under submerged conditions.

#### Technical Data :

**Approvals:** IS 694 marked, FIA/TAC

**Conductor:** Copper / Aluminium (as per requirement)

**Core Colour:** Black

**Sheath Colour:** Black

**Voltage Grade:** 1100 V (1.1 kV)

**Packing:** Standard packing of 100 mtr. in coils. Longer length available on request.

#### Properties :

**Temperature range:** -15°C to +70°C

**Max. short circuit temperature rating:** 160°C

Self-extinguishing and flame retardant according to IS 10810 P-61

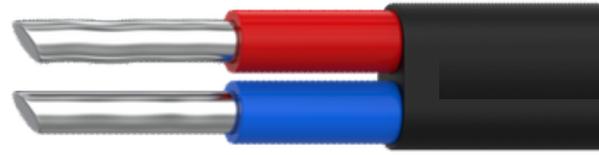
Free from 240+ hazardous substance (REACH Compliant)

#### Features & Benefits

- Flat design for easy installation in borewells
- High flexibility and mechanical strength
- Excellent moisture & abrasion resistance
- Long-lasting performance under submerged conditions
- Flame-retardant insulation for added safety

# Aluminium Cable

## DOMESTIC AND COMMERCIAL WIRING



The aluminium conductor ensures a cost-effective, lightweight, and corrosion-resistant solution while maintaining reliable electrical performance.

### Application :

This Aluminium Twin-Core Cable is widely used for power distribution in residential, commercial, and light industrial applications. It consists of two colour-coded insulated aluminium conductors (Red & Blue) with a durable black outer sheath for added protection.

### Technical Data :

**Approvals:** IS 694 marked, FIA/TAC

**Cable Code:** Y (Aluminium)

**Voltage Grade:** 1100 V (1.1 kV)

**Conductor:** Aluminium, solid/stranded (as per size)

**Insulation:** Aluminium Cable

**Packing:** 90 mtrs. Coils packed in protective bag.

### Properties :

**Temperature range:** -15°C to +70°C

### Key Properties:

- Lightweight compared to copper cables
- Cost-effective solution for wiring
- High corrosion resistance
- Good flexibility and mechanical strength
- Flame-retardant insulation for safety

### Cable Design Parameters

**Conductor Material :** Aluminium (solid/stranded)

**Conductor Size :** 4 sq mm to 10 sq mm