

Submersible 3 Core Flat Cable



Application

The PVC insulated and sheathed 3 core flat cables are used for giving electrical connection to submersible pump motors. These are manufactured keeping in mind the severe, tough and difficult conditions in which they have to operate. The slot available in the tube well being narrow the shape of the cables has to be suited for such an application. These cables conform to and are marked IS: 694:1990 up to 4.00 sq mm. Cables 6.00 sq mm and above generally conform to IS: 694:1990.

Features

Manufactured from bright annealed 99.97% pure bare copper conductors. Low conductor resistance. Inner cores are insulated with a special grade PVC compound formulated and manufactured in-house Tough robust outer PVC jacket protects it from the oils, greases, various chemicals and abrasions, thereby giving long life and electrical safety.

Specifications

- Working Voltage : Up to 1100 V
- Temperature Range : -15°C to +70°C
- Sizes : 1.50 sq mm to 4.00 sq mm with ISI mark
6.00 to 95.00 sq mm generally conforming to IS: 694
- Color Code : 3 core - red, yellow, blue
black or gray outer sheath
- Specification : IS: 694
- Packing : 500/1000 meters on drums

Submersible Flat Cable (Three Core) Voltage grade 1100 V, Conforming to IS: 694-1990

Nominal Area of Conductor	No. & Size of Strand Item	Max Thickness of PVC Insulation Nominal	PVC Outer Sheath Nominal	Max Resistance per km at 20°C	Approx. Overall Dimension (W x H)	Current Carrying Capacity at 20°
Sq mm	mm	mm	mm	ohms	mm	amp
1.5	22/0.3	0.8	1.2	12.10	11.5 x 5.40	18
2.5	36/0.3	0.9	1.2	7.41	14.0 x 6.40	24
4.0	56/0.3	1.0	1.2	4.95	16.5 x 7.20	32
6.0	84/0.3	1.0	1.2	3.30	18.0 x 8.00	42
10.0	80/0.4	1.0	1.4	1.91	22.5 x 9.6	55
16.0	126/0.4	1.0	1.4	1.21	26.5 x 11.2	75
25.0	196/0.4	1.2	2.0	0.78	32.5 x 13.5	100