

## Submersible 3 Core Flat Cables



GARUTMAAN

3 Core Flat PVC Insulated and  
Sheathed Cables



## Submersible 3 Core Flat Cables

3 Core Flat PVC insulated and sheathed cables as per IS 694



"Garutmaan" PVC insulated and sheathed 3 Core Flat cables, conforming to IS 694, are manufactured using high conductivity, electrolytic grade, bright, plain annealed copper conductors.

The 3 Core Flat sheathed cables are manufactured in sizes ranging from 1.5 to 6.0 mm<sup>2</sup>.

Higher size cables can also be supplied on customer demand.

### Technical Data :

Type	: Flat, 3 Core Cable
Conductor	: Plain Annealed Copper (Class 2/5) as per IS 8130
Insulation	: PVC Type A, as per IS 5831
Assembly	: 3 Cores are laid parallel, side-by-side
Sheath	: PVC Type ST1, as per IS 5831
Ref. Specifications	: IS 694
Cable Range	: 1.5 mm <sup>2</sup> to 6.0 mm <sup>2</sup>
Working Voltage	: Up to 1100 V
Application	: The cables are mainly used for supply of power to submersible pump motors.
Normal Packing Length:	In 100 m coils or longer lengths on wooden drums
Standard Colors	: Black

The standard cables are provided with the IS 694 mark and the CE mark. These cables comply with RoHS directive.

Garutmaan Item Code	Nominal Area of Copper Conductor	Number / Dia. Of strands (Nom.)	Thickness Of Insulation (Nom.)	Thickness Of Sheath (Nom.)	Overall Dimension WxH (Approx.)	Current Carrying Capacity	Conductor Resistance @20°C (Max.)	Approx. Weight
	mm <sup>2</sup>	mm	mm	mm	mm	Amps.	Ω/km	kg/km
3CFPISC0103004	1.5	* 22/0.3	0.6	0.9	10.7 x 4.9	16	12.1	104
3CFPISC0103005	2.5	* 36/0.3	0.7	1.0	12.8 x 5.8	22	7.41	154
3CFPISC0103006	4.0	** 56/0.3	0.8	1.0	14.9 x 6.5	29	4.95	213
3CFPISC0103007	6.0	** 84/0.3	0.8	1.1	17.3 x 7.4	35	3.30	316

\* As per Conductor class 2 of IS 8130

\*\* As per Conductor class 5 of IS 8130

Note:

The above data is indicative, and may be revised without prior notice, as a part of ongoing development activities and continual improvement efforts. The conductor construction (number of wires & strand diameter) may be revised, but will satisfy the requirements of IS 8130.

Manufactured by :



**UNI-TECH**  
Automation Pvt. Ltd.

### Regd. Office & Unit I :

S. No. 79/2, Plot No. 7, Shivane, Pune : 411023  
Maharashtra, India. Tel : +91-20-25292392  
info@uni-techautomation.com  
www.uni-techautomation.com

### Unit II :

Gat No. 837, 838, Palshi Road,  
Off Pune- Bengaluru Highway, SHIRWAL,  
Taluka: Khandala, Dist: Satara : 412801  
Maharashtra, India