

SUBMERSIBLE CABLES



Application

Unique 3 Core Flat Cables are manufactured keeping in mind the severe and difficult conditions in which they are required to perform. The area of installation is physically restrictive, and the environment is very hostile. These are used to connect submersible pump motor with supply lines. The slot available in the tubewell being narrow the shape of the cables has to be suited for such an application. Certain striking features of our Flat Submersible Pump cables include excellent resistance to water, moisture, abrasion, grease, oil, long flex life, excellent mechanical & electrical properties.

Description

1100 V Grade annealed bare electrolytic high conductivity multi stranded copper conductor PVC insulated and overall PVC sheathed flat 3 core weatherproof submersible cables as per IS:694/2010.

3-Core Flat Cables for Submersible Pump Motors (Technical Data)

Area (Nom.) Sq.	Number/size of Wire	Insulation Thickness (Nom.)	Sheath Thickness (Nom.)	Width 'W' (Approx)	Thickness 'H' (Approx)	Resistance at 20°C (Max.)	Current carrying capacity at 40°C Amps
mm	No./mm	mm	mm	mm	mm	ohm/Km	
1.5	22/0.3	0.6	0.9	10.80	4.80	12.10	14
2.5	36/0.3	0.7	1.0	13.00	6.00	7.41	18
4.0	56/0.3	0.8	1.1	15.20	6.10	4.95	26
6.0	84/0.3	0.8	1.1	17.00	7.20	3.30	31
10.0	140/0.3	1.0	1.2	23.00	9.30	1.91	42
16.0	226/0.3	1.0	1.3	27.00	10.80	1.21	57
25.0	354/0.3	1.2	1.5	33.00	13.00	0.780	72
35.0	495/0.3	1.2	1.6	37.00	14.60	0.554	90
50.0	703/0.3	1.4	1.7	44.00	17.00	0.386	115
70.0	360/0.5	1.4	2.20	51.00	20.00	0.272	143
95.0	475/0.5	1.6	2.40	58.50	23.00	0.206	165

Range : 1.5 sq.mm to 95 sq.mm

