

SUBMERSIBLE 3 CORE FLAT CABLE AND SERVICE CABLE



BIO CAB SUBMERSIBLE 3 CORE FLAT CABLES

Powering the world

For trouble free working, this connecting cable is used for submersible pump motors. BIO CAB 3 Core Flat Cable are manufactured keeping in mind the severe and difficult conditions in which they are required to perform. The individual conductors are made of bright electrolytic grade copper. These wires are drawn, annealed and bunched properly to ensure flexibility and uniform resistance. Each of the 3 copper conductors is insulated with special PVC Compound. The cores are laid up in flat parallel position. The outer sheath of the cable is made from a special grade of abrasion resistance PVC Compound impervious to water, grease, oil etc.

Selection guide for 3 core flat cables

1. HP Vs Current: the full load current for submersible pump motors, 3 phases, 50 cycles, 415-425v.

HP	5.0	7.5	10.0	12.5	15.0	17.5	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0
AMP	7.5	11.0	14.9	18.9	22.5	25.2	28.4	35.6	42.3	50.4	58.1	62.1	67.5	73.8	81.0	87.3	93.6	100.80	108.0

2. Operating Factors: Multiply the current carrying capacity of the factors given below for various ambient

Ambient Temperature C	30	35	40	45	50
Operating Factor	1.09	1.04	1.00	0.95	0.77

3. Core Flat Cables as per IS 694:1990 with mark

Size, Construction & Current Rating

Conductor		Insulation	Sheath	Overall Dimensions		Conductor Resistance @20°C (max) ohms/km	Current carrying capacity
No. of Cores/ Area sq.mm	No/Dia of strands mm	Thickness (Nom)mm	Thickness (Nom)mm	Width (approx) 'W' mm	Height (approx) 'H' mm		
3 x 1.5	22/0.30	0.6	0.9	10.3	4.9	12.10	14
3 x 2.5	36/0.30	0.7	1.0	12.6	5.8	7.41	18
3 x 4.0	56/0.30	0.8	1.0	14.8	6.6	4.95	26

Submersible 3 Core Flat

BIO CAB flat cables provide energy to submersible pump motors. The individual conductors are made of bright electrolytic grade copper. The cores are insulated with a high dielectric grade PVC compound. The outer sheath is made of a special grade of abrasion-resistant PVC compound impervious to water, grease, oil, etc.

Three core flat flexible industrial cable for submersible pump motors 1100 voltage grade

Product Code	Number / Dia of Wire in mm	Length in mtrs.	Nominal Area of cond. sq. mm
06 209	22 / 0.3	(100 mtr.)	1.5
06 210	36 / 0.3	(100 mtr.)	2.5
06 211	56 / 0.3	(100 mtr.)	4.0
06 212	84 / 0.3	(100 mtr.)	6.0
06 213	140 / 0.3	(100 mtr.)	10.0
Available 100 mtrs. in Polythene pack			
06 219	22 / 0.3	(500 mtr.)	1.5
06 220	36 / 0.3	(500 mtr.)	2.5
06 221	56 / 0.3	(500 mtr.)	4.0
06 222	84 / 0.3	(500 mtr.)	6.0
Available 300 & 500 mtrs. in wooden drum.			

