

**Uninterrupted  
Performance.  
Unmatched  
Rewards.**

**POLYCAB**  
IDEAS. CONNECTED.



**POLYCAB 3 CORE FLAT SUBMERSIBLE CABLES**

- Tough and flexible cable ensures safety • Excellent moisture and weather resistance • Best quality electrolytic grade copper saves power  
• High abrasion resistant special grade PVC • Available in wide temperature range: 15°C to 70°C • Available in various sizes

## 3 CORE FLAT CABLES FOR SUBMERSIBLE PUMP MOTORS

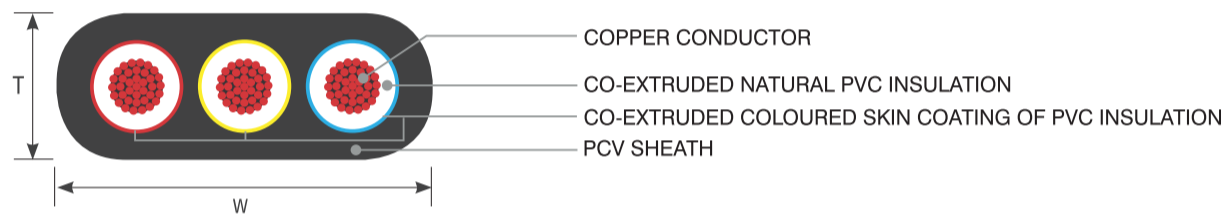
Polycab Special 3 Core Flat Cables are manufactured for critical space requirement, protection against indefinite immersion in water under specified conditions, protection against rain-water and against ingress of small solid foreign bodies.

Polycab Special 3 Core Flat Cables are produced from best quality electrolytic copper, which is drawn, annealed on-line and bunched on automatic machines to ensure flexibility and uniform resistance. The conductors are insulated with a special grade of PVC on sophisticated co-extrusion lines. Outer sheath consists of highly abrasion resistant PVC compound impervious to grease, oil and water etc.

### POLYCAB SPECIAL - 3 Core Flat Cables (as per IS 694 :2010 - ISI Standard)

Conductor		Insulation Thickness (Nom.) mm	Sheath		Conductor Resistance @ 20° C (Max.) Ohms/km	Current Carrying Capacity @ 40° C Amps
Area (Nom.) Sq. mm	No/dia. of strands mm		Overall dimensions			
		Thickness (Nom.) mm	Size (Approx.) (W x T) mm			
1.5	30/0.25	0.8	1.1	11.4 X 5.3	13.3	16
2.5	50/0.25	0.9	1.2	13.3 X 6.0	7.98	22
4	56/0.3	1	1.3	16.1 X 7.1	4.95	29

**Note :** Insulation thickness, sheath thickness and over all dimension give in this table are nominal values. The strand diameter is nominal. however, construction of the conductor is designed to satisfy the requirement of conductor resistance as per IS 8130 : 2013



### POLYCAB SPECIAL - 3 CORE FLAT CABLES ( GENERALLY CONFORMING TO IS : 694)

Conductor		Insulation Thickness (Nom.) mm	Sheath		Conductor Resistance @ 20° C (Max.) Ohms/km	Current Carrying Capacity @ 40° C Amps
Area (Nom.) Sq. mm	No/dia. of strands mm		Overall dimensions			
		Thickness (Nom.) mm	Size (Approx.) (W x T) mm			
6	84/0.3	1.1	1.4	18.6 x 8.0	3.30	37
10	80/0.4	1.3	1.6	23.4 x 10.0	1.91	51
16	126/0.4	1.4	1.8	27.0 x 11.4	1.21	68
25	196/0.4	2	2.2	35.4 x 15.0	0.78	86
35	276/0.4	2.1	2.2	39.3 x 16.3	0.554	110
50	396/0.4	2.2	2.4	45.7 x 18.5	0.386	145

**Note :** 3 Core x 70 sq. mm & 3 core x 95 sq. mm Flat Cable are available on request

### POLYCAB - 3 Core Flat Cables (as per IS 694 :2010 - ISI marked)

Polycab 3 Core Flat Cables have the same features of Polycab Special Submersible Cables as given above. These have minimum insulation and sheathing thicknesses as specified in the IS 694 : 2010

Conductor		Insulation		Sheath		Conductor Resistance @ 20° C (Max.) Ohms/km	Current Carrying Capacity @ 40° C Amps
Area (Nom.) Sq. mm	No/dia. of strands mm	Thickness (Nom.) mm	Core dia. (Nom.) mm	Overall dimensions			
				Thickness (Nom.) mm	Size (Approx.) (W x T) mm		
1.5	30/0.25	0.6	2.7	0.9	9.80 X 4.5	13.3	16
2.5	50/0.25	0.7	3.2	1.0	11.7 X 5.2	7.98	22
4	56/0.3	0.8	4.1	1.0	14.3 X 6.1	4.95	29

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