



Multicore Flexible Braided Cables



Submersible Flat Cables (Three Core) for Voltages up to 1100 V AC.

USP

- High Flexibility.
- Water Resistant PVC for underwater applications.

CONDUCTOR : Compactly bunched, electrolytic grade, annealed copper with superb flexibility according to harmonized grades HO5V-K and HO7V-K available in various sizes from 0.5 sq. mm to 300 sq. mm. Unilay conductor will be provided on special order from 1 to 4 sq. mm.

INSULATION : Generally available with Standard PVC insulation and PVC sheathing. Choice of insulation and sheathing is available against specific need.

STANDARD SHEATH COLOURS : Grey & Black.

PACKING : 100 mtr. Coils. Longer lengths supplied on order. Submersible Flat Cable (Three Core) voltage grade 1100V, conforming to IS: 694- 1990

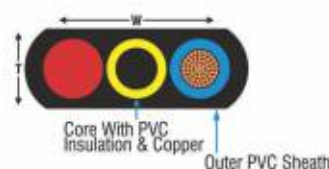
Physical and Electrical Properties

Nominal area of conductor Sq. mm	Construction Size & item mm	Thickness of PVC insulation (Nom) mm	PVC outer e Sheath (Nom) mm	Max Resistance per km at 20°C Ohms	Approx Overall Dimension (WXT) mm	Current Carrying Capacity at 40°C amp.
1.5	22/0.3	0.8	1.2	12.10	11.8 x 5.8	18
2.5	36/0.3	0.9	1.2	7.41	14.1 x 6.75	24
4	56/0.3	1.0	1.2	4.95	16.4 x 7.5	32
6	84/0.3	1.0	1.2	3.30	18.1 x 8.3	42
10	140/0.3	1.0	1.4	1.91	22.5 x 9.5	55
16	126/0.4	1.0	1.4	1.21	25.3 x 11.3	75
25	196/0.4	1.2	2.0	0.78	32 x 14.0	100

Sevlection Guide for Core Flat Cables HP Vs Current :

The full load current for submersible pump motors, 3 phase, 50 hertz, 415-440

HP	5.0	7.5	10.0	12.5	15.5	17.5	20.5	25.0	30.0
Amps.	7.5	11.0	15.0	19.0	22.8	25.8	25.5	35.8	43.0



NOTE : Current derating factors as per IS 3961 part 5 shall be applicable for different usage conditions.