Submersible Winding Wire

High purity electrolytic grade bright annealed flexible bunched bare copper conductor

These are Copper wires covered by tripe tapes used solely for the purpose of winding. The wire produces alternating flux with the help of primary electromagnetic induction. Our submersible winding wire's amplitude is completely based on the voltage and the number of winding in each turn while using our wire.

Certified by Indian Standard institute our winding wire assures the minimum leakage possible during usage and a quality that our customers deserve.

We offer customization of Submersible winding wire as per our customer requirement on ID and OD confirming to IS:8783 (Part-4/Sec-3) - 1995.

Technical DataTable

Properties of Wire	Unit	Test Condition	Value Required as per is	Value of Vipul Wires
Shrinkage Test		150°C for 15 minutes	Max. 4	2
After immersion in Water for 12 hours	KV	3 KV for 1 min	Passes	With Stood
hot deformation Depth of indentation		115°C for 6 Hour	Max. 25	22
Heat Shock Test		150°C for 1 Hour	No. Crack	No. sign of Crack
Insulation Test	M	After 24 Hours	2000 M	Pass

Copper conductor:

(a) High Conductivity Oxygen free Electrolytic Annealed Copper

(b) Elongatic - of Copper wire (To Brak 30% min.- 1.0 mm wire

BOPP Film (Dielectric Material) ::

(a) Dieletric volume Resistivity

At 27°C - 4*1016 ohm-cm

At 85°C - 4*1015ohm-cm

(b) Tensile Strength

N/mm2------90 (Req. Min.50)

Vipul Brand Insulated Copper Winding Wire for Submersible Pump Motors

Dimension in (mm)			Conductor Resistance (At 20°C, Ohm/km)	
Conductor Diameter (ID)	Overall Diameter (OD)	Insulation Thickness	Normal	Max.
0.40	0.80	0.20	137.20	141.190
0.51	0.91	0.20	87.81	90.370
0.61	1.01	0.20	60.20	62.2
0.71	1.11	0.20	43.55	44.810
0.80	1.20	0.20	34.30	35.30
0.90	1.30	0.20	27.10	27.89
1.00	1.40	0.20	21.95	22.95
1.12	1.50	0.20	17.50	18.00
1.20	1.65	0.225	15.26	15.66
1.32	1.75	0.225	12.60	12.96
1.42	1.95	0.225	11.20	11.530
1.50	2.00	0.25	9.757	10.050
1.60	2.10	0.25	8.575	8.830
1.70	2.20	0.25	7.596	7.820
1.80	2.30	0.25	6.775	6.978
1.90	2.40	0.25	6.081	6.264
2.00	2.50	0.25	5.488	5.652
2.12	2.70	0.30	4.884	5.025
2.24	2.84	0.30	4.375	4.500
2.36	2.96	0.30	3.941	4.058
2.50	3.20	0.30	3.512	3.614