



POLY WRAPPED WINDING WIRES FOR SUBMERSIBLE PUMP MOTORS



Reliable Quality With Strong Performance

AQUAGRIP Submersible Winding Wires are manufactured by **VOLTSON INDIA** an **ISO 9001:2015** certified company. The Group with more than **40** years of Experience in this field, and which makes to deliver world class product with excellence service.

Application

Used in all sizes of Domestic & Industrial Submersible Motors

Packing

500 Meters & 1000 Meters coils are available

Special Features

- EC grade copper having purity min. (99.95%) ETP Copper
- High dielectric strength
- High insulation resistance
- Low dielectric Losses ($\tan \delta$)
- Good Thermal & Chemical resistance
- High Tear Resistance due to ' Bi-axial orientation of Poly-propylene
- High Working Temp. up to 120 deg. C
- Very High annealing for easy working during motor winding

Poly Wrapped Winding Wires For Submersible Pump Motors (Tested as per IS 8783)

CONDUCTOR	OVERALL DIAMETER (Nominal)	CONDUCTOR CROSS-SECTIONAL AREA (Nominal)	CONDUCTOR RESISTANCE AT 20°C (MAX)	Elongation (Min.) %	Approx Weight Per km/kg
Sq. mm.	MM	MM	Ohms/km	Ohms/km	Ohms/km
0.40	0.80	0.126	140.00	25	1.47
0.50	0.90	0.196	87.80	26	2.15
0.60	1.00	0.283	60.98	28	2.98
0.70	1.10	0.385	44.78	28	3.95
0.80	1.20	0.503	34.30	29	5.05
0.90	1.35	0.636	27.10	30	6.30
1.00	1.45	0.786	21.95	30	7.80
1.10	1.55	0.951	17.50	31	9.20
1.20	1.65	1.131	15.26	32	10.90
1.30	1.75	1.328	12.58	32	12.70
1.40	1.85	1.540	11.20	32	14.90
1.50	2.00	1.768	9.75	32	17.00
1.60	2.10	2.011	8.57	32	19.20
1.70	2.20	2.271	7.59	32	21.60
1.80	2.30	2.546	6.77	32	24.20
1.90	2.40	2.836	6.08	32	26.80
2.00	2.50	3.143	5.49	33	29.60
2.10	2.60	3.465	4.98	33	32.55
2.20	2.70	3.803	4.53	33	35.60
2.30	2.80	4.156	4.15	33	38.85
2.40	2.90	4.526	3.81	33	42.20

Note : Lesser and Higher OD are available as on demand.

Instruction For Use

- Do not use hammer while winding (Putting into slots of Stator)
- Do not put under HV as each & every coil passed through HV TEST (3.5 KV rms)
- Stacking should be max, three coils (one over other) otherwise insulation may get damaged due to excessive wt..
- Do not use sharp wedge while placing insulating wires in to the slots of stator / rotor.

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