

PVC insulated, winding wires for submersible motors

Application:

- For the winding of submersible pumps and motors of various sizes.

Standard:

- IS 10051-1981

Construction:

- Plain annealed copper conductor class 1.
- Special PVC.

General specification:

- Working temperature: Max. 105°C.

No. of wires x diameter Nom.	Grade 1		Grade 2	Conductor resistance at 20°C Max. Ω/km
	Insulation thickness	Overall diameter Max.	Overall diameter Max.	
mm	mm	mm	mm	
1 x 0.500	0.30	1.23	1.35	87.81
1 x 0.560	0.30	1.29	1.41	70.00
1 x 0.630	0.30	1.36	1.48	55.31
1 x 0.710	0.35	1.56	1.68	43.55
1 x 0.750	0.35	1.60	1.72	39.03
1 x 0.800	0.35	1.65	1.77	34.30
1 x 0.850	0.35	1.70	1.82	30.38
1 x 0.900	0.35	1.75	1.87	27.10
1 x 0.950	0.35	1.80	1.92	24.32
1 x 1.00	0.35	1.85	1.97	21.95
1 x 1.060	0.35	1.91	2.03	19.54
1 x 1.120	0.35	1.97	2.09	17.50
1 x 1.180	0.40	2.15	2.27	15.77
1 x 1.250	0.40	2.22	2.34	14.05
1 x 1.320	0.40	2.29	2.41	12.60
1 x 1.400	0.40	2.37	2.49	11.20
1 x 1.500	0.40	2.48	2.60	9.757
1 x 1.600	0.40	2.58	2.70	8.575
1 x 1.700	0.40	2.68	2.80	7.596
1 x 1.800	0.40	2.78	2.90	6.775

1 x 1.900	0.40	2.88	3.00	6.081
1 x 2.000	0.45	3.10	3.22	5.488
1 x 2.120	0.45	3.22	3.34	4.884
1 x 2.240	0.45	3.34	3.46	4.375
1 x 2.360	0.50	3.58	3.70	3.941
1 x 2.500	0.50	3.73	3.85	3.512
1 x 2.650	0.50	3.88	4.00	3.126
1 x 2.800	0.65	4.39	4.51	2.800
1 x 3.000	0.65	4.59	4.71	2.439
1 x 3.150	0.80	5.10	5.22	2.212
1 x 3.350	0.80	5.30	5.42	1.956
1 x 3.550	1.00	5.99	6.23	1.742
1 x 3.750	1.00	6.19	6.43	1.561
1 x 4.000	1.00	6.44	6.68	1.372

NOTE : The maximum overall diameter of wires with Grade 1 covering shall be taken as the minimum overall diameter for wires with Grade 2 covering.