



**AL RABIH STEEL IND. LLC**  
**AL RABIH GENERAL TRADING FZC**  
**(R.A.T.C.O)**

**3 CORE & 4 CORE DOUBLE SHEATHED**  
**PVC Submersible Round Cable**

**Cable Standard**

BS 6500 &amp; IS 694:2010

**Conductor** : Bare Bunch Copper IS:8130**Insulation** : PVC core**Inner Sheath** : PVC**Outer Sheath** : PVC**Silent Features**

- High Flexibility
- Excellent Resistant to Moisture, Abrasion, Grace & Oil
- Long Life
- Excellent Mechanical & Electrical Properties

**Technical Data****Operating Temp** : -10°C to max. +90°C**Nominal Voltage** : 1.1 KV**Test Voltage** : 3.0 KV**Min. Bending Radius** : 5 x Cable Diameter**Application**

Ideal for Irrigation Pumps, Drinking  
 Water Supply Pumps, Submersible  
 Pump Motor Power Supply.

**Core Colour**

As Per IS:694:2010 - Red, Yellow, Blue

**TECHNICAL DETAILS OF 3 CORE SUBMERSIBLE ROUND CABLE**

Conductor		Insulation		Total Thickness of Double Sheath		Conductor Resistance at 20°C (max)	Current Rating at 40°C
Size of Cable	No. of Wire/ Size of Wire	Thickness	Core OD	Thickness	Overall Size		
Sq. mm	Nos./mm	mm	mm	mm	mm	Ω/km	Amps
1.5	22/0.30	0.8	3.25	1.5	10.00	12.1	14
2.5	36/0.30	0.9	3.60	1.90	12.6	7.41	18
4.0	56/0.30	1.0	4.31	2.0	14.7	4.95	26
6.0	84/0.30	1.0	5.10	2.20	15.8	3.30	31
10.0	140/0.30	1.0	6.20	2.40	18.0	1.91	42
16.0	224/0.30	1.0	8.31	2.70	23.0	1.21	57
25.0	350/0.30	1.2	10.1	2.15	26.0	0.780	72
35.0	490/0.30	1.2	11.3	2.15	28.3	0.554	90
50.0	700/0.30	1.2	13.6	2.25	33.5	0.386	115
70.0	988/0.30	1.4	15.3	2.45	37.8	0.272	143
95.0	1349/0.30	1.6	18.0	2.4	43.5	0.206	165

- The number of wires is approximate and wire diameter is nominal; They shall be such as to satisfy the requirements of conductor resistance as per Class 5 of IEC 60228 / DIN VDE 0295 / IS 8130 / BS 6360

- In view of continuous improvements in our design and process, specifications given here in are subject change without notice.