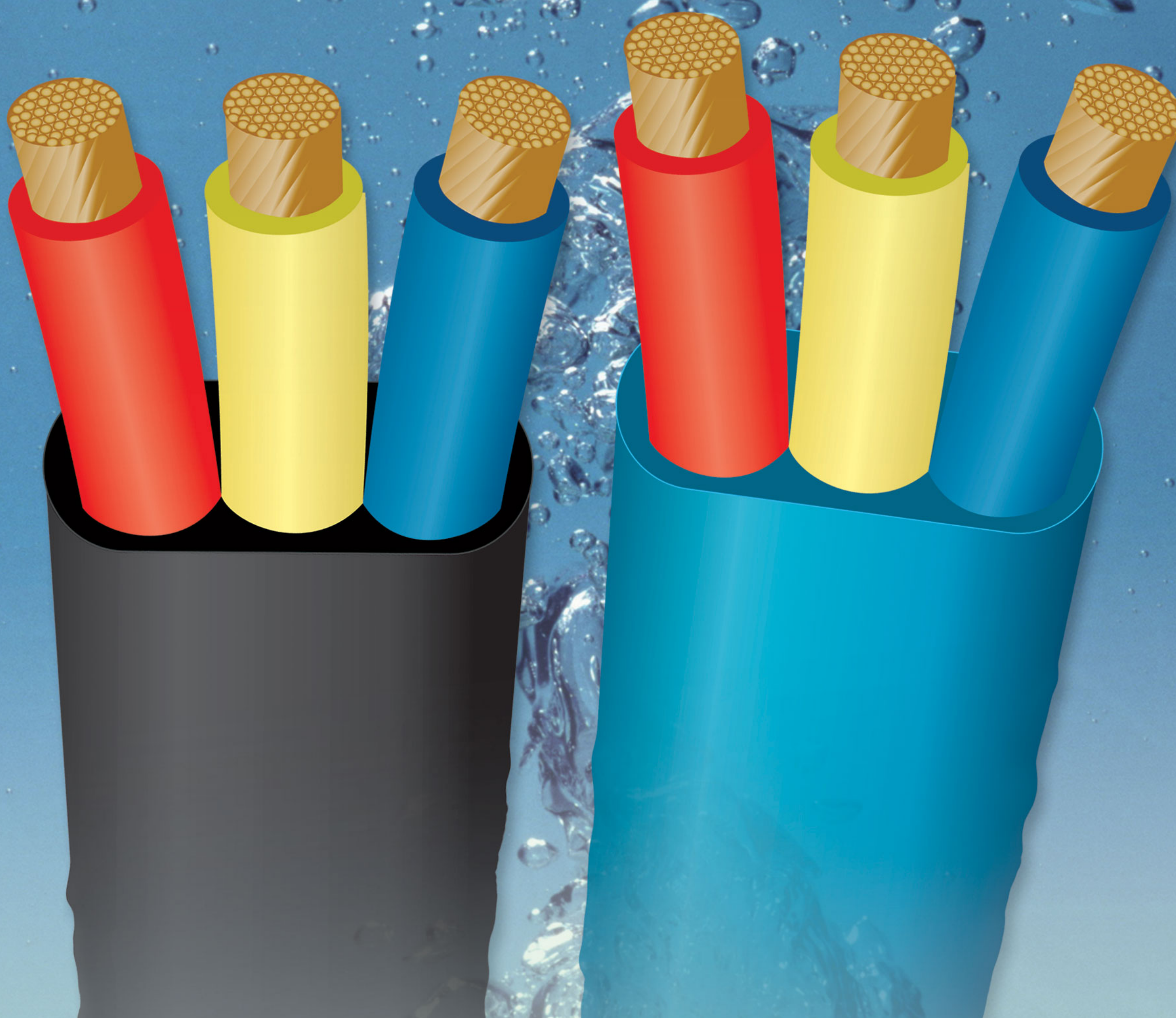


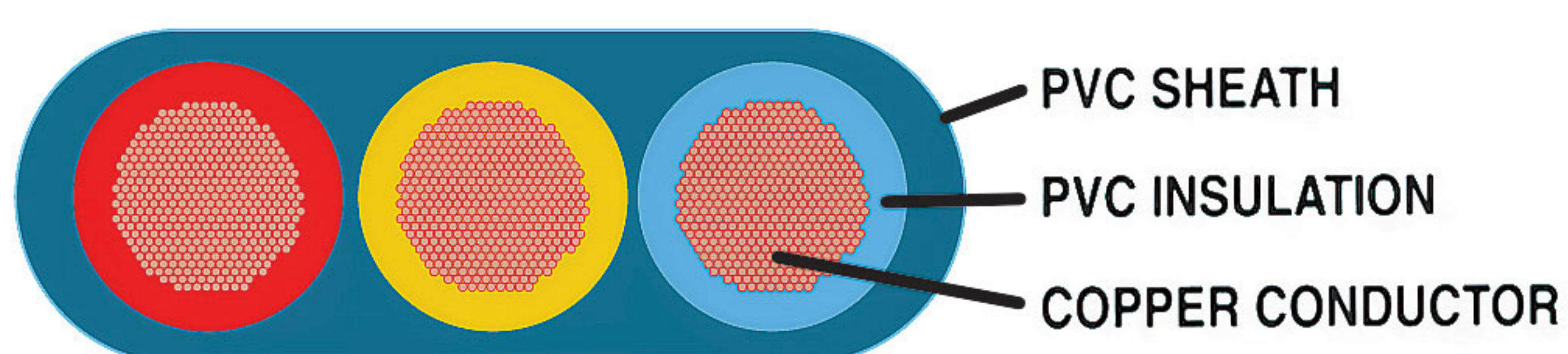
# Jainson

SUBMERSIBLE CABLES

## The Power To The Pumps



### CABLE DESIGN:



Submersible Pump cable is a specialized product to be used for submersible pumps in a deep well. The area of installation is physically restrictive, and the environment is very hostile. **JAINSON** is designed and manufactured keeping in mind these factors to achieve the highest possible degree of reliability.

### APPLICATION

To supply power to the submersible pumps for:

- Irrigation.
- Drinking Water-Supply.
- Industries.
- Mine Dewatering.
- Offshore drilling rings.
- Sewage treatments plants.
- Sea water Handling.
- Fire Fighting.



## SELECTION GUIDE FOR SUBMERSIBLE PUMP CABLES

CABLE SELECTION AT 30 C 415V (WITH DOL STARTER)

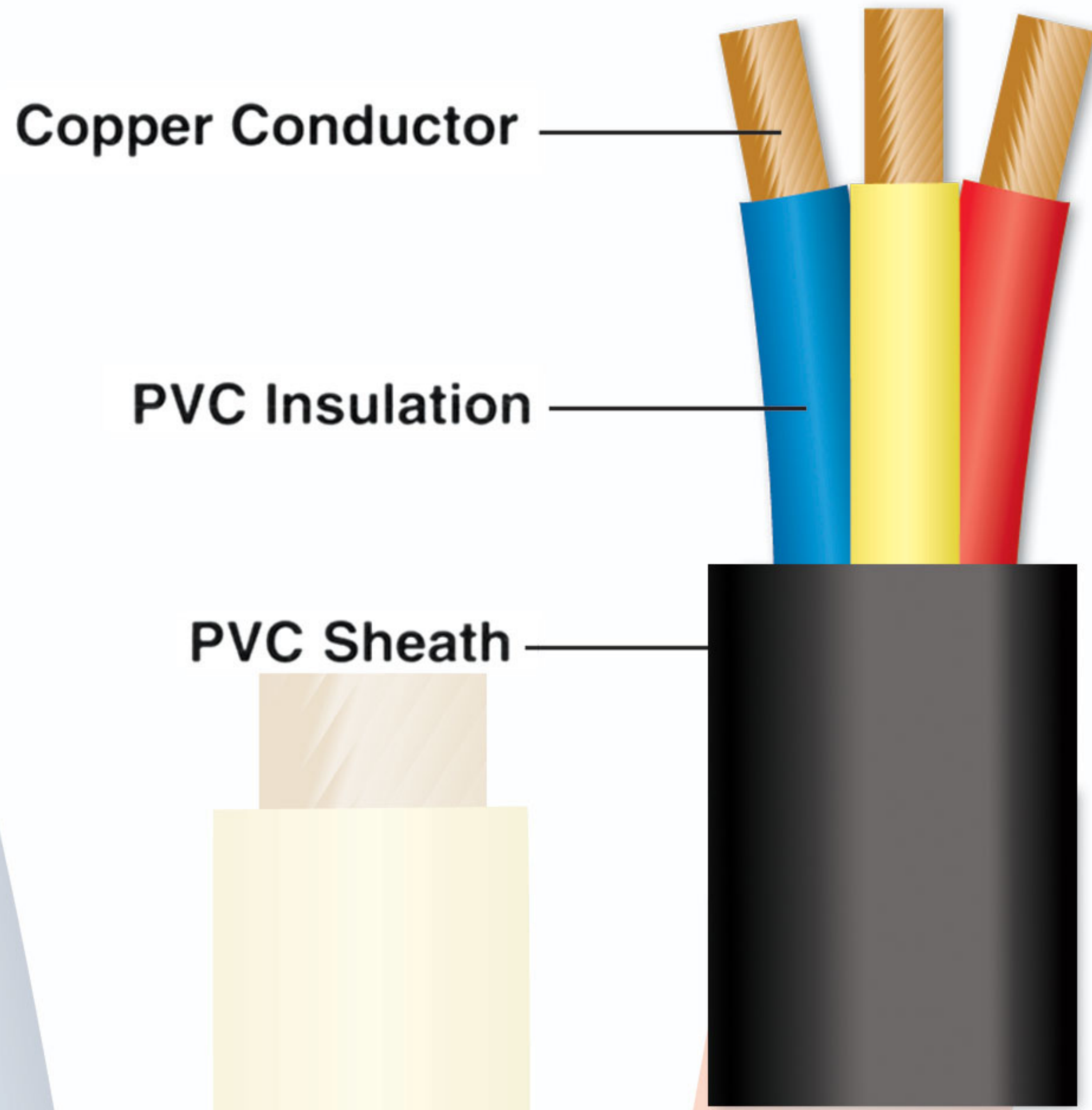
CABLE SELECTION AT 30 C 415V (WITH STAR DELTA STARTER-DOUBLE CABEL)

SUBMERSIBLE MOTORS		Size of Cable in SQ. MM. at different Lenght in Mtrs.															
H.P.	FULL LOAD CURRENT Amps.	10	20	30	40	50	60	70	80	90	100	110	128	140	180	200	
5	7.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	4	4	
7.5	11	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	
10	15	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6		
12.5	19	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10		
15	22.5	4	4	4	4	4	4	4	4	4	6	6	10	10	10		
17.5	26	4	4	4	4	4	4	4	6	6	6	10	10	10	10		
20	28.4	6	6	6	6	6	6	6	6	6	6	10	10	10	16		
25	35.6	10	10	10	10	10	10	10	10	10	10	10	10	16	16		
30	42.3	10	10	10	10	10	10	10	10	10	10	10	16	16	16		
35	50.4	16	16	16	16	16	16	16	16	16	16	16	16	25	25		
40	58.1	16	16	16	16	16	16	16	16	16	16	16	16	25	25		
45	62.1	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
50	67.5	25	25	25	25	25	25	25	25	25	25	25	25	25	35		
55	73.8	35	35	35	35	35	35	35	35	35	35	35	35	35	35		
60	81.0	35	35	35	35	35	35	35	35	35	35	35	35	35	35		
65	87.3	35	35	35	35	35	35	35	35	35	35	35	35	35	35		
70	93.6	50	50	50	50	50	50	50	50	50	50	50	50	50	50		
75	100.8	50	50	50	50	50	50	50	50	50	50	50	50	50	50		
80	108.0	50	50	50	50	50	50	50	50	50	50	50	50	50	50		

SUBMERSIBLE MOTORS		Size of Cable in SQ. MM. at different Lenght in Mtrs.															
H.P.	FULL LOAD CURRENT Amps.	10	20	30	40	50	60	70	80	90	100	110	128	140	180	200	
5	7.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	4	4	
7.5	11	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	
10	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	
12.5	19	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	
15	22.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	
17.5	26	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	
20	28.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	
25	35.6	4	4	4	4	4	4	4	4	4	4	4	4	4	6	10	
30	42.3	4	4	4	4	4	4	4	4	4	4	4	4	6	6	10	
35	50.4	6	6	6	6	6	6	6	6	6	6	6	6	6	10	16	
40	58.1	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16	
45	62.1	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16	
50	67.5	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16	
55	73.8	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16	
60	81.0	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25	
65	87.3	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25	
70	93.6	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25	
75	100.8	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25	
80	108.0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	

### JAINSON DOUBLE SHEATED ROUND CABLES FOR SUBMERSIBLE PUMPS

650 / 1100 VOLTS



Nos. of Cores and core area	Approx. outside diameter	Nos. of cores and core area	Approx. outside diameter
Nos. x mm <sup>2</sup>	mm	Nos. x mm <sup>2</sup>	mm
3 x 1.5	10.0	4 x 1.5	10.8
3 x 2.5	11.0	4 x 2.5	12.2
3 x 4	13.0	4 x 4	14.1
3 x 6	14.6	4 x 6	16.0
3 x 10	18.0	4 x 10	20.8
3 x 16	21.2	4 x 16	23.4
3 x 25	26.0	4 x 25	28.8
3 x 35	28.3	4 x 35	31.5
3 x 50	33.5	4 x 50	37.3
3 x 70	37.8	4 x 70	42.2
3 x 95	43.5	4 x 95	48.8

650 / 1100 VOLTS

### JAINSON 3 CORE FLAT CABLES FOR SUBMERSIBLE PUMPS

CONDUCTOR		PVC INSULATION		PVC SHEATH		Current Rating at 30° C. Amps.	Approx Weight Kg./Km.
Nominal Area in Sq.mm.	Nos. & Dia. of wire Nos. / mm.	Nominal Thickness mm.	Nominal Core Dia. mm.	Nominal Thickness mm.	Approx. Overall Dimensions Thickness mm. Width mm.		
1.5	22/0.30	0.8	3.25	1.15	6.0 12.8	16	125
2.5	36/0.30	0.9	3.84	1.15	6.4 14.6	20	175
4.0	56/0.30	1.0	4.65	1.15	7.4 17.2	28	235
6.0	85/0.30	1.0	5.30	1.15	7.9 18.7	34	325
10.0	140/0.30	1.0	6.60	1.40	9.9 23.7	46	525
16.0	226/0.30	1.0	8.20	1.40	11.4 28.0	62	785
25.0	354/0.30	1.2	10.10	2.00	14.7 35.5	79	1270
35.0	495/0.30	1.2	11.50	2.00	16.2 39.5	98	1640
50.0	703/0.30	1.4	13.60	2.20	18.3 45.5	125	2080
70.0	440/0.45	1.4	15.30	2.20	20.0 51.0	156	2830
95.0	475/0.50	1.6	18.00	2.40	23.5 60.0	180	3620

Dealer:

**Note :**

- 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
- 4 core and 5 core flat cables are available on request.