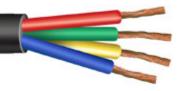
SUPERSTAR Submersible Cable PVC-NBR Insulated

Superstar 4 Core Flat/Round Rubber Insulated Submersible Cable



Technical data

- Four Core Cable for Submersible Pumpsets with PVC - NBR Insulation and Sheathing for higher abrasion & temperature resistance with H.O.F.R.
- Conductor resistance In accordance to IS: 8130/84.
- Conductor resistance factor at +20° C – see technical information
- Admissible working temperature
- At the conductor PVC - NBR +110° C H.O.F.R. Grade + 110° C
- Working voltage upto 1100 V

Cable structure

- Plain Copper conductor extra fine stranded & bunched in accordance to IS 8130/1984 for higher flexibility.
- Each of the cores are insulated with PVC - NBR Compound for higher abrasion against heat, oil & fire.
- Cores are laid in flat parallel manner and sheathed for highest performance in severe & difficult conditions.
- Marking of brand name, cross-section & Logo on each mtr.
- Testing of cable carried out as per IS 694/90 at our In House facility.

Application

- PVC NBR insulated & sheathed flexible Four Core Flat/Round are used to connect underwater Submersible Pumpsets to the supply line.
- Agriculture, Irrigation, Domestic Installation, Outdoor application & Power Supply.
- -The outer sheath of the cable being made of special grade Heat Oil Fire Retardant PVC -NBR Compound making the cables highly durable.

Plain Copper Conductor, Rubber Insulated and Sheathed Four Core Flat/Round Cable Voltage Grade Upto 1100V

Con	ductor	Unshe	eathed	Sheathed							
Area	No. & Size of	Thickness of	Overall	Thickness of	Current	H.P.	Conductor				
	Wire	Insulation	Diameter	Sheath	Carrying		Resistance				
					Capacity		@20° C				
SQ.MM	MM	MM	MM	MM	AMPS		Ohms/Km				
1.5	22/0.3	0.70	3.26	1.20	17	6	12.100				
2.5	36/0.3	0.80	3.85	1.30	23	7	7.410				
4.0	56/0.3	0.80	4.50	1.50	28	16	4.610				
6.0	85/0.3	1.00	5.31	1.50	36	22	3.080				
10.0	141/0.3	1.00	6.56	1.60	48	32	1.830				
16.0	226/0.3	1.20	8.10	1.60	62	43	1.150				
25.0	354/0.3	1.20	10.12	1.70	77	55	0.724				
35.0	495/0.3	1.40	11.50	1.80	98	67	0.524				
50.0	703/0.3	1.60	13.50	1.90	127	78	0.387				
70.0	999/0.3	1.70	15.25	2.00	155	99	0.272				
95.0	1302/0.3	1.80	17.90	2.00	177	120	0.206				

HP Vs Current: The full load current for submersible pumps, 50 cycles, 420V

HP	5.0	7.5	10.0	12.5	15.5	17.5	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0
Amp	7.5	11.0	14.9	18.9	22.5	25.2	28.4	35.6	42.3	50.4	58.1	62.1	67.5	73.8	81.0	87.3	93.6	101	108

Safety Requirements

- 1. Coiled PVC-NBR cable must always be spread out before using to avoid overheating in use.
- 2. Ensure proper joining of the cable in order to avoid failure and short circuit.
- 3. Proper care should be taken while inserting the cable in the borewell to avoid slicing of the sheathing.
- 4. Kindly ensure proper storage of the cables in order to avoid physical damage.
- 4. Cables with damaged insulation must be replaced immediately.

Corporate Office:: 403, B.K. House, Opp. SBI, C.G. Road, Navrangpura, Ahmedabad 380009. INDIA. Ph: (91-79) 26420270, 26446395 Fax: (91-79) 26446395. Email:info@superstarcable.com, superstarcable@hotmail.com.

Works Address :: Plot No. 676, Vill. Rakanpur, Ta. Kalol, Dist. Gandhinagar. INDIA – 382 721. Ph:(91-2764) 286515.

Visit us at : <u>www.superstarcable.com</u>