



SHUBHRA CABLES


PVC Insulated Winding Wires

3 Core Flat Cables

Electric wires for Building
Application(House Wire)

PVC and XLPE Cables

Panel Wires Single core and
Multicore Cables



“We accept your
challenge of trust”

About Us

We are leading player in the domestic and industrial cable market. We are committed to provide complete cable solution to the customer needs and their requirements to grow with Global presence.

Vision



To become one of the most trusted brand in the cable industry with the high standard of quality and customer satisfaction

Mission



To become market leader with advancement of technology implementation for competitive cost, with high quality products

Quality Policy

Shubhra Industries is committed to provide products including Birdgges and service at the highest quality standards that meet or exceed customer requirements and in accordance with applicable international standards. Our quality policy commitment is based upon:

- Complying with the requirements of ISO 900:2015
- Manufacturing quality products in accordance & infirmity with specification & relevant applicable standards
- Continually improving our quality management system
- Establishing quality objectives and periodically initiatives.
- Providing safe and healthy work environment.
- Developing employee skills and increasing their contribution through effective training



Quality Assurance



Regular testing at outside laboratories which is approved by BIS



Predespach inspection



Online and offline testing facilities with full-fledged testing facilities as per international standard



System to offer technical specification of product

- In order to guarantee the high quality required by Cables, customers, cables undergo extensive quality control checks in our laboratories, thus, ensuring that all the cables are free from defects and are ready to be sold.
- The quality guarantee system ensure that all cables perform as per their specifications

PVC Insulated Winding Wires



Winding wire with PVC insulation, the pvc compound is specially formulated for 90 degree operation which is heat resistant to chemicals including oils, acids, and alkalis. This compound will having high dielectric constant & suitable for lower wall fitness for the product.

Precautions

Avoid the cables coming into contact with sharp edges and the moving parts of the switchboard. Comply with the bend radius of the cables and proper care is also needed during handling.

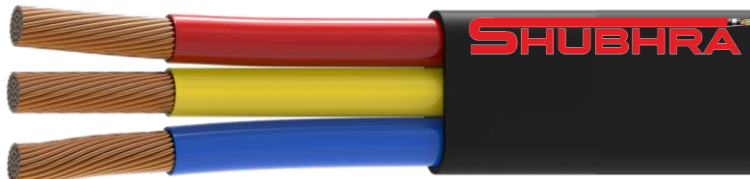
HR PVC Insulated Winding Wire: As Per IS 8783 (Part 4/Section 1): 1995 Solid Copper Conductor

Nom. Conductor Diameter (mm)	Min. Insulation Thickness (mm)	Overall Diameter Approx. (mm)	Conductor resistance at 20° ohms/km Max	Weight per Km (kg)
0.60	0.25	1.15	62.20	3.60
0.70	0.30	1.35	45.70	5.00
0.80	0.30	1.45	35.00	6.10
0.90	0.30	1.55	27.60	7.50
1.00	0.30	1.65	22.40	9.00
1.10	0.30	1.75	18.50	10.60
1.20	0.30	1.85	15.50	12.30
1.30	0.30	1.95	13.20	14.30
1.40	0.35	2.15	11.40	16.70
1.50	0.35	2.25	9.95	19.00
1.60	0.35	2.35	8.75	21.20
1.70	0.35	2.45	7.75	23.90
1.80	0.35	2.55	6.91	26.40
1.90	0.35	2.65	6.20	29.20
2.00	0.45	2.95	5.60	33.20
2.10	0.45	3.15	5.08	36.40
2.20	0.45	3.25	4.63	39.40
2.30	0.45	3.45	4.23	43.00
2.40	0.50	3.55	3.89	47.00
2.50	0.50	3.65	3.56	51.00
2.60	0.50	3.75	3.31	54.40
2.70	0.50	3.85	3.07	59.20
2.80	0.55	3.95	2.86	63.30
2.90	0.55	4.05	2.63	68.40
3.00	0.55	4.15	2.49	72.80

- Outer Diameter tolerance is (+/-) 0.05mm
- Diameter can be change as per customer requirement.

3 Core Flat cables

Shubhra cables believes in new technology with invention and quality of product with quality service. Shubhra flat cable is very good product to used for pumps. A group of experienced engineers are working R & D department to achieve the highest possible degree of comfortless.



Technical Data:-

Working Voltage: Up to 1100 V.
Temperature range: -15° C to + 70° C
Size: 1.50 to 4.00 Sq. mm with ISI mark
 6.00 to 95.00 Sq. mm generally conforming to IS : 694
Color codes: 3 Cores - Red, Yellow and Blue
 Black or Grey outer sheath
Specification: IS : 694
Packing: 500/1000 meters on drums

Submersible Flat Cable (Three Core) For Voltage Up To 1100 V

- Fits perfect required Grommet
- As per IS dimension
- Perfect Sheathing for underwater application

Insulation & Sheathings:-

PVC compound resistant to water, oils, grease etc.
 General purpose insulation & normal PVC sheathing.

Applications and Conductors:-

- Industrial Applications
- Pump connections
- To supply power to submersible pumps in deep bore, sewage treatment plant.
- EC grade high purity, plain annealed copper with high flexibility available in various sizes. Bunched flexible EC grade bright annealed bare, copper conductor according to international standards.

FEATURES

- Excellent resistant to moisture, abrasion, grease, oil.
- Excellent mechanical & electrical properties.
- Temperature range -15°C to +70°C
- Manufactured from bright annealed 99.97% pure bare copper conductors these cables have low conductor resistance
- The tough robust outer PVC jacket protects it from the oils, greases, various chemicals, and abrasions, thereby giving long life and electrical safety.

Three core flat flexible industrial cable for submersible pump motors, 1100 voltage grade

Nominal Cross Sectional Area (Sq.mm)	Number of wire / Nom. Dia of Strand*	Nominal Insulation Thickness (mm)	Nominal Insulation Thickness (mm)	Maximum overall Diameter (mm)	Width (w) Height (H)(Ω/ Km)	Max. Dc Conductor Resistance at 20°C 3Phase a.c.	#Current Rating, Amps at 40°C 3Phase a.c	Voltage Drop (mV/A/m)
1.5	22/ 0.3 mm	0.7	0.9	10.7	5.3	13.3	14	28
2.5	36/ 0.3 mm	0.8	1.0	13	6.2	7.98	20	17
4	56/ 0.3 mm	0.8	1.0	15.3	7.1	4.95	26	10.5
6	84/ 0.3 mm	0.8	1.1	19.2	8.4	3.30	34	7.0
10	80/ 0.4 mm	1.0	1.4	24.2	10.4	1.91	47	4.2
16	126/ 0.4 mm	1.0	1.4	29.0	12.4	1.21	63	2.6
25	196/ 0.4 mm	1.2	2.0	36.5	15.7	0.780	81	0.154
35	276/ 0.4 mm	1.2	2.0	40.5	17.2	0.554	100	0.154

Electric wires for building Application (House wire)

Product construction

Standard

IS:694:2010 &
Customer requirements



Conductor

EC grade flexible
copper class

Insulation

FR/ZHFR Insulation compound. Its flame retardant properties minimize the spread of fire which ensuring complete safety from shock, short circuits.

Key Applications

Industry and Domestic wiring

Packing

Multi Strand wire are available in **Red, Yellow, Blue, Black & Green** color, other color can be supplied on request

Colors

Multi Strand wires are available in **Red, Yellow, Blue, Black & Green** color, other color can be supplied on request. Subject minimum order quantity.

Applications: - Industrial and Domestic wiring such as Lighting in Houses, Commercial Complexes, shopping malls, Buildings, Industries, Hospitals, Apartments etc.

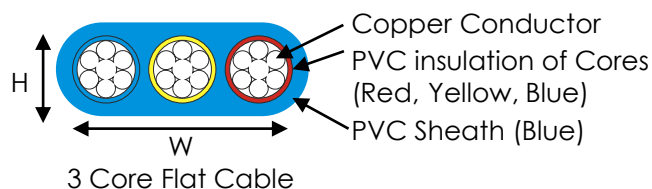
Features: -

- High flame-retardant properties
- Excellent resistant to moisture, abrasion, grace, oil
- Longer Flex Life
- Excellent mechanical & electrical properties
- Steam and boiling water resistant
- Better Flame-retardant property
- Less Halogen acid gas evolution
- Resistant to tarnishing of copper
- Excellent resistant to moisture, abrasion, grace, oil
- Excellent mechanical & electrical properties

Single Core Unsheathed Flexible Industrial Cables In Voltages Grade 1100 Volts

Nominal cross section area of conductor	Number/Nom. Dia of Wire	Nominal Thickness of Insulation	Overall Diameter (Approx.)	Current Carrying capacity 2 Cables, single phase#		Max. Resistance of conductor per km @ 20°C
				In Conduit/ Trunking	Unenclosed clipped directly to surface or on cable tray	
Sq. mm	mm	mm	mm	Amps	Amps	Ohms.
0.50	16/0.2	0.6	2.0	4	5	39.0
0.75	24/0.2	0.6	2.3	6	7	26.0
1.0	14/0.3	0.7	2.7	11	12	18.10
1.5	22/0.3	0.7	3.1	13	16	12.10
2.5	36/0.3	0.8	3.7	18	22	7.41
4.0	56/0.3	0.8	4.1	24	29	4.95
6.0	84/0.3	0.8	4.7	31	37	3.30

PVC and XLPE Cables



3 Core Flat XLPE Cables
 For Submersible Pump Motors

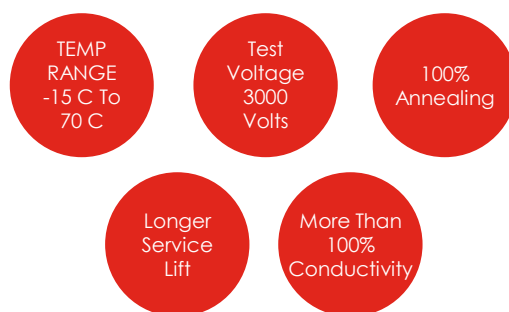
PVC & XLPE Cables

These Cables are suitable for heavy duty usage and areas having frequent supply undervoltage/overvoltage conditions. Higher current rating, higher short Circuit Rating (Approx 1.2 times that of PVC) Thermosetting in nature, Higher insulation resistance -1000 times more than PVC cables, Higher resistance to moisture, better resistance to Surge currents, Low Dielectric Losses, Better resistance to chemicals and corrosion, longer service life. Comparatively higher cable operating temperature 90° and short circuit temperature 250°C.

Submersible Cables specialized product to used for submersible pumps in deep well. The area of installation is physically restrictive environment is very hostile. The conductor is further insulated with thermoset type cross Linked Polythene (XLPE) insulation with uniform thickness. The sheath with uniform thickness of Head and Moisture Resistant type PVC compound formulated and manufactured in house, is extruded over these coloured cores in a flat formation. The colour of the sheath is black. The cables are available progressive marking, company name, size & voltage printed on sheath.

Product construction

Standard	Generally as per IS:694:2010
Working Voltage	Up to 1100 V. AC 50 Hz.
Temperature Range	-15°C to +90°C
Range	1.50 Sq. mm to 50 Sq.mm.
Conductor	Annealed electrolytic grade bare copper (as per IS 8130:2010)
Insulation	Cross linked polyethylene (XLPE)
Sheth	Heat Resistant PVC Type St2 (as per IS:5831:2010)
Key Application	These cable longer life and most suitable for power connection in submersible pumps and also Power Cables are used underground as well as overhead transmission of power in power plants, industries, projects and all other electrical installations.
Packging	Supplier in 300 mtrs, 500 mtrs & 1000 mtrs. (+5%) packing un jute bags & Non returnable wooden drums on request and longer length available on request.



3 CORE FLAT CABLE WITH COPPER CONDUCTOR XLPE INSULATION AND HR PVC SHETH

Sr. No.	PARAMETERS	Size (Sq.mm)								
		1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
1	Conductor Construction (No/mm)	22/0.30	36/0.3	56/0.3	84/0.3	140/0.3	226/0.3	354/0.3	495/0.3	703/0.3
2	Insulation Thickness (mm) Nom	0.8	0.7	0.7	0.7	0.7	0.7	0.9	0.9	1.1
3	Core OD (mm)	2.9	3.4	4.1	5.2	6.5	7.1	8.6	10.6	11.7
4	Sheath Thickness (mm) Nom	1.15	1.0	1.0	1.1	1.2	1.3	1.5	1.6	1.7
5	Overall Dimension Width (W) (mm) approx.	12.8	12.7	14.9	16.9	20.3	23.8	29.6	33.6	41.20
	Height (H)	6.0	6.0	6.6	7.4	9.1	10.4	12.9	14.4	17.2
6	Conductor Resistant at 20 c (ohms/km) max	12.1	7.41	4.95	3.3	1.91	1.21	0.780	0.554	0.380
7	Current Rating at 40C (Amps)	20	30	37	46	66	85	113	139	156

The Number of wires and its diameter in the conductor will be such as to satisfy requirement of the conductor resistance as per IS 8130:2010 Current Carrying Capacity (Amps)

Sr. No.	PARAMETERS	Size (Sq. mm)							
		2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
1.	PVC Insulation	18	26	31	42	57	72	90	138
2.	XLPE Insulation	30	37	46	66	85	113	139	160
3.	Ambient Temperature (Deg. C)	25	30	35	40	45	50	55	60
	Factor	1.18	1.12	1.06	1.00	0.94	0.88	0.82	0.76

Panel Wire Sigle core and Multicore Cable

Single Core Unsheathed Flexible Industrial Cables In Voltages Grade 1100 Volts

Nominal cross section area of conductor	Number/Nom. Dia of Wire	Nominal Thickness of Insulation	Overall Diameter (Approx.)	Current Carrying capacity 2 Cables, single phase#		Max. Resistance of conductor per km @ 20°C
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Sq. mm	mm	mm	mm	Amps	Amps	Ohms.
0.50	16/0.2	0.6	2.0	4	5	39.0
0.75	24/0.2	0.6	2.3	6	7	26.0
1.0	14/0.3	0.7	2.7	11	12	18.10
1.5	22/0.3	0.7	3.1	13	16	12.10
2.5	36/0.3	0.8	3.7	18	22	7.41
4.0	56/0.3	0.8	4.1	24	29	4.95
6.0	84/0.3	0.8	4.7	31	37	3.30

SHUBHRA CABLES



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