



## UNNATI PUMPS PVT. LTD.

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“ Together  
we can  
do it  
Together  
we have  
always  
Done it ”





# INDEX

Company Profile	01
Our Mission and Vision	03
Customer Focus	04
V3 Water Lubricated Motor	05
V3 Oil Lubricated Motor	05
V4 Oil Lubricated Motor	06
V4 SS Water Lubricated Motor	06
V6 CI Water Lubricated Motor	07
V6 CI Klassic Water Lubricated Motor	07
V6 SS Water Lubricated Motor	08
V6 SS Klassic Water Lubricated Motor	08
V8 Water Lubricated Motor	09
V9 Water Lubricated Motor	09

4 Inch Submersible Pumps	10
6 Inch Submersible Pumps	10
8 Inch Submersible Pumps	11
10 Inch Submersible Pumps	11
Centrifugal Monoblock Pumps Three Phase	12
Centrifugal Monoblock Pumps Single Phase	12
Openwell Submersible Monoset	13
Vertical Openwell Submersible Monoset	13
DC Solar Submersible Pumps	14
AC Solar Submersible Pumps	14
Self Priming Pumps	15
Shallow Well Pumps	15
Unnati uPVC Column Pipes	16
Unnati Submersible Cables	16





## ABOUT US

“UNNATI PUMPS PVT. LTD. is a quality conscious & professionally managed company engaged in manufacturing of submersible pump sets. We began our journey in 1985 hands in hands with our clients. Today, with constant perseverance and co-operation of our customers we have become a leading and renowned company nationwide and have succeeded in achieving valued patronage and highest level of trust.”

This factor has driven us to provide optimal service to our customers' needs and ultimately come up with satisfactory products. In this process, we have always welcomed customers' suggestions as an invaluable input to understand the scope and nature of environment within which our customers operate and modify our pump sets accordingly thereby boosting their confidence in the product built by blending customer satisfaction and delightfulness.

Taking a leap further towards the global market we commit to serve our overseas patrons with the best quality of products adopting the latest pump technology for the advancement of their objectives. With the concept of continual quality up-gradation, improvement & product innovation we are confident that the coming challenges and chances will add fuel to the dynamism and spirit with which “UNNATI” is growing today.

## OUR MOTTO

“Satisfied customer is our highest achievement” keep us constantly striving to serve our customers with integrity and quality. Focusing on this goal with vigorous team efforts, we promise them to deliver only the best.

**S.B Patel**  
Chairman

**Dhruvik S. Patel**  
Managing Director





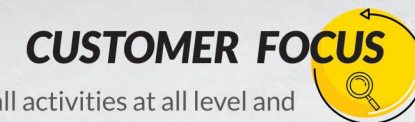
Company has well developed extensive manufacturing set up to meet any market demand in volume and quality thanks to its technologically advanced facilities.



Satisfied customer is our highest achievement which” keeps us constantly striving to serve our customers with integrity and quality. Focusing on this goal with vigorous team efforts, we promise to serve them to deliver only the best.



In order to maintain the highest quality and performance of our pump sets the company has facility of ultra-modern testing and inspection instruments for continuous monitoring manufacturing process. We have electronic flow-meter in the computerized testing laboratory which provides unique facility of testing multiple pumps simultaneously for head versus discharge and overall efficiency at various position minimizing the time and human error thus making the performance report more authentic and reliable.



At Unnati, customer is focus of attention for all activities at all level and every care is taken to see him delighted. His enquiry prior to sales is promptly responded for techno-commercial details and after sales-services to develop his confidence in our product and services. Utmost care is taken to define customer requirements or complaints by providing prompt and proper corrective actions thereby keeping him satisfied. Suggestions and complaints are also invited from the customers periodically to find out whether they are satisfied with the performance of product, timely supplies, packing & dispatch, behavior and attitude and whether they are really satisfied with the corrective actions taken.

#### An IS/ISO 9001:2015 Company

Unnati Pumps Pvt. Ltd. has privilege to be one of the pioneer manufacturing units of India manufacturing Submersible Pump sets to obtain International Quality System Certification ISO 9001 way back on 15th. August 1995.



## The Key

to our growth and  
success is simple

Together we can do it  
Together we have always done it





## V3 Water Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UW3 Water Lubricated Submersible Motor are robust rewindable and pre-filled with clean water mixed with anti-corrosion fluid.
- Lubricated ball bearing for trouble free long lasting operation.
- Shaft extension made of Stainless Steel AISI 420.
- Mechanical shaft seal (Carbon/Ceramic) provided.
- High efficiency electrical design for lower operating cost.
- Pressure compensation diaphragm.
- All Single Phase Motors require control box.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- Residential Purpose
- Fountains
- Pressure Boosting Units
- Gardens & Horticulture

Power Range: 0.50Hp to 1.50Hp  
0.37kW to 1.10kW  
Single Phase



## V3 Oil Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UO3 Submersible Motor lubricated & cooled by non-toxic eco-friendly fluid of high dielectric strength
- Lubricated ball bearing for trouble free long lasting operation.
- Shaft extension made of Stainless Steel AISI 420.
- Mechanical shaft seal (Carbon/Ceramic) provided.
- High efficiency electrical design for lower operating cost.
- Pressure compensation diaphragm.
- All Single Phase Motors require control box.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- Residential Purpose
- Fountains
- Pressure Boosting Units
- Gardens & Horticulture

Power Range: 0.50Hp to 1.50Hp  
0.37kW to 1.10kW  
Single Phase



## V4 Oil Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UO4 Submersible Motor lubricated & cooled by non-toxic eco-friendly fluid of high dielectric strength.
- Lubricated ball bearing for trouble free long lasting operation.
- Shaft extension made of Stainless Steel AISI 420.
- Mechanical shaft seal (Carbon/Ceramic) provided.
- High efficiency electrical design for lower operating cost
- Single Phase Motors are Capacitor Start Capacitor Run (CSCR) & Capacitor Start Run (CSR) design.
- Pressure compensation diaphragm.
- All Single Phase Motors require control box.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- Residential Purpose
- Irrigation
- Fountains
- Industrial water supply
- Pressure Boosting Units
- Gardens & Horticulture
- Drip & Sprinkler Systems

Power Range: 0.50Hp to 7.5Hp  
0.37kW to 2.20kW Single Phase  
1.10kW to 5.50kW Three Phase



## V4 SS Water Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UW4 Water Lubricated Submersible Motor are robust Rewindable and pre-filled with clean water mixed with anti-corrosion fluid.
- Bearing: Water lubricated radial and thrust bearing (Carbon V/S Chrome Steel).
- Shaft extension made of stainless steel AISI 420.
- High efficiency electrical design for lower operating cost.
- Single phase motors are Capacitor Start Capacitor Run (CSCR) design.
- Pressure compensation diaphragm.
- All single phase motors require control box.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- Residential Purpose
- Irrigation
- Fountains
- Industrial water supply
- Pressure Boosting Units
- Gardens & Horticulture
- Drip & Sprinkler Systems
- Mining Industries
- Oil & Gas Industries

Power Range: 0.50Hp to 10Hp  
0.37kW to 2.20kW Single Phase  
0.75kW to 7.50kW Three Phase







## V6 CI Water Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UW6 Submersible Motors are robust Rewindable and pre-filled with clean water mixed with anti-corrosion fluid.
- Stator shell with corrosion resistant Stainless Steel.
- Bearing: Water lubricated radial and thrust bearing.
- Shaft extension made of Stainless Steel AISI 420.
- High efficiency electrical design for Lower Operating Cost.
- Pressure compensation diaphragm.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- |                           |                            |
|---------------------------|----------------------------|
| • Residential Purpose     | • Drip & Sprinkler Systems |
| • Irrigation              | • Mining Industries        |
| • Fountains               | • Oil & Gas Industries     |
| • Industrial water supply | • De-watering              |
| • Pressure Boosting Units | • Fire Fighting            |
| • Gardens & Horticulture  |                            |

Power Range: 5.5Hp to 60Hp  
4kW to 45kW  
Three Phase



## V6 SS Water Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UW6 Submersible Motors are robust Rewindable and pre-filled with clean water mixed with non-toxic eco-friendly anti-corrosion fluid.
- Fully Stainless Steel Component.
- Stator shell with corrosion resistant Stainless Steel.
- Bearing : Water lubricated radial and thrust bearing .
- Shaft extension made of Stainless Steel AISI 420.
- High efficiency electrical design for Lower Operating Cost.
- Pressure compensation diaphragm.
- Mechanical Seal provided on request.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- |                           |                        |
|---------------------------|------------------------|
| • Residential Purpose     | • Gardens              |
| • Irrigation              | • Sprinkler Systems    |
| • Fountains               | • Mining Industries    |
| • Industrial water supply | • Oil & Gas Industries |
| • Pressure Boosting Units | • De-watering          |

Power Range: 5.5Hp to 60Hp  
4kW to 45kW  
Three Phase

## V6 CI Klassic Water Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UW6 Submersible Motors are robust Rewindable and pre-filled with clean water mixed with anti-corrosion fluid.
- Stator shell with corrosion resistant Stainless Steel.
- Bearing : Water lubricated radial and thrust bearing.
- Shaft extension made of Stainless Steel AISI 420.
- High efficiency electrical design for Lower Operating Cost.
- Pressure compensation diaphragm.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- |                           |                            |
|---------------------------|----------------------------|
| • Residential Purpose     | • Drip & Sprinkler Systems |
| • Irrigation              | • Mining Industries        |
| • Fountains               | • Oil & Gas Industries     |
| • Industrial water supply | • De-watering              |
| • Pressure Boosting Units | • Fire Fighting            |
| • Gardens & Horticulture  |                            |

Power Range: 5.5Hp to 70Hp  
4kW to 52kW  
Three Phase



## V6 SS Klassic Water Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UW6 Submersible Motors are robust Rewindable and pre-filled with clean water mixed with non-toxic eco-friendly anti-corrosion fluid.
- Fully Stainless Steel Component.
- Stator shell with corrosion resistant Stainless Steel.
- Bearing : Water lubricated radial and thrust bearing .
- Shaft extension made of Stainless Steel AISI 420.
- High efficiency electrical design for Lower Operating Cost.
- Pressure compensation diaphragm.
- Mechanical Seal provided on request.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- |                           |                        |
|---------------------------|------------------------|
| • Residential Purpose     | • Gardens              |
| • Irrigation              | • Sprinkler Systems    |
| • Fountains               | • Mining Industries    |
| • Industrial water supply | • Oil & Gas Industries |
| • Pressure Boosting Units | • De-watering          |

Power Range: 5.5Hp to 70Hp  
4kW to 52kW  
Three Phase







## V8 Water Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UW8 Submersible Motors are robust Rewindable and pre-filled with clean water mixed with anti-corrosion fluid.
- Stator shell with corrosion resistant Stainless Steel.
- Bearing : Water lubricated radial and thrust bearing .
- Shaft extension made of Stainless Steel AISI 420.
- High efficiency electrical design for Lower Operating Cost.
- Pressure compensation diaphragm.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- Residential Purpose
- Irrigation
- Fountains
- Industrial water supply
- Pressure Boosting Units
- Gardens & Horticulture
- Drip & Sprinkler Systems
- Mining Industries
- Oil & Gas Industries
- De-watering
- Fire Fighting

Power Range: 7.5Hp to 100Hp  
5.5kW to 75kW  
Three Phase



## 4 inch Submersible Pumps

### ► USP2, USP3, USP5 (radial flow) USP8, USP14 (mixed flow)

- Connection : Screwed pipe connection with BSP thread as standard.

### ► PRODUCT APPLICATION

- Water supply
- Irrigation
- Civil
- Industrial
- Fire fighting

### ► PERFORMANCE RANGE

Flow range : Max. 18.8m<sup>3</sup>/h (300LPM)  
Head range : Max. 547m  
Power Range : 0.5 Hp to 10 Hp  
0.37kW to 7.50kW

### ► OPERATING CONDITIONS

Liquid temperature: 0°C to +45°C  
Max. sand content into the water: 50 g/m<sup>3</sup>  
Max. starts per hour: 30 at regular intervals  
Direction of rotation: ClockWise as seen from the pump coupling side

### ► SPECIAL CONSTRUCTION ON REQUEST

Also available in stainless steel AISI 316 material (for sea water application).  
Also available with NPT thread pipe connection.

## V9 Water Lubricated Motor

### ► PRODUCT FEATURE

- Unnati UW9 Submersible Motors are robust Rewindable and pre-filled with clean water mixed with anti-corrosion fluid.
- Stator shell with corrosion resistant Stainless Steel.
- Bearing : Water lubricated radial and thrust bearing .
- Shaft extension made of Stainless Steel AISI 420.
- High efficiency electrical design for Lower Operating Cost.
- Pressure compensation diaphragm.

### ► PRODUCT APPLICATION

"Unnati" prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :

- Residential Purpose
- Irrigation
- Fountains
- Industrial water supply
- Pressure Boosting Units
- Gardens & Horticulture
- Drip & Sprinkler Systems
- Mining Industries
- Oil & Gas Industries
- De-watering
- Fire Fighting

Power Range: 60Hp to 125Hp  
45kW to 93kW  
Three Phase

## 6 inch Submersible Pumps

### ► USP17, USP30, USP46, USP60 (Mixed Flow)

- Connection : Screwed pipe connection with BSP thread as standard.

### ► PRODUCT APPLICATION

- Water supply
- Irrigation
- Civil
- Industrial
- Fire fighting

### ► PERFORMANCE RANGE

Flow range : Max. 78m<sup>3</sup>/h (1300 LPM)  
Head range : Max. 700m  
Power Range : 5.5 Hp to 60 Hp  
4kW to 45kW

### ► OPERATING CONDITIONS

Liquid temperature: 0°C to +45°C  
Max. sand content into the water: 50 g/m<sup>3</sup>  
Max. starts per hour: 20 at regular intervals  
Direction of rotation: ClockWise as seen from the pump coupling side

### ► SPECIAL CONSTRUCTION ON REQUEST

Also available in stainless steel AISI 316 material.  
Also available with NPT thread pipe connection.







## 8 inch Submersible Pumps

### ► USP77, USP95 (Mixed Flow)

- Connection : Screwed pipe connection with BSP thread as standard.

### ► PRODUCT APPLICATION

- Water supply
- Irrigation
- Civil
- Industrial
- Fire fighting

### ► PERFORMANCE RANGE

Flow range : Max. 123.8m<sup>3</sup>/h (2033LPM)

Head range : Max. 423m

Power Range : 7.5 Hp to 100 Hp  
5.50kW to 75kW

### ► OPERATING CONDITIONS

Liquid temperature: 0°C to +45°C

Max. sand content into the water: 50 g/m<sup>3</sup>

Max. starts per hour: 20 at regular intervals

Direction of rotation: ClockWise as seen from the pump coupling side

### ► SPECIAL CONSTRUCTION ON REQUEST

Also available in stainless steel AISI 316 material.

Also available with NPT thread pipe connection.



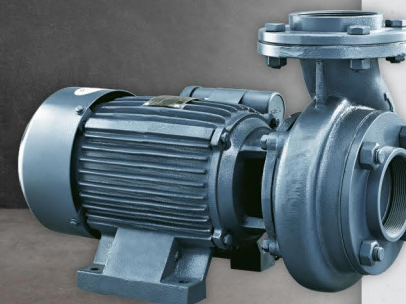
## Centrifugal Monoblock Pumps Three Phase

### ► SALIENT FEATURES

- High Suction Lift Up to 7.5 meters
- High operating efficiency results in less power usage
- Designed for wide voltage operation
- Superior mechanical shaft seal for longer life and effective sealing against water leakage.
- Can withstand wide voltage fluctuations from 300-415 Volts
- Class 'B' insulation
- CED coating cast iron components long life & rust free
- Easy Maintenance

### ► PERFORMANCE RANGE

Power Range : 3.0Hp to 20.0 Hp  
2.2kW to 15.0kW  
Three Phase



## 10 inch Submersible Pump

### ► USP125, USP160, USP215

- Connection : Screwed pipe connection with BSP thread as standard.

### ► PRODUCT APPLICATION

- Water supply
- Irrigation
- Civil
- Industrial
- Fire fighting

### ► PERFORMANCE RANGE

Flow range : Max. 280m<sup>3</sup>/h (4666LPM)

Head range : Max 505m

Power Range : 10 Hp to 260 Hp  
7.50kW to 190kW

### ► OPERATING CONDITIONS

Liquid temperature: 0°C to +45°C

Max. sand content into the water: 50 g/m<sup>3</sup>

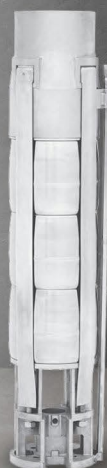
Max. starts per hour: 20 at regular intervals

Direction of rotation: ClockWise as seen from the pump coupling side

### ► SPECIAL CONSTRUCTION ON REQUEST

Also available in stainless steel AISI 316 material.

Also available with NPT thread pipe connection.



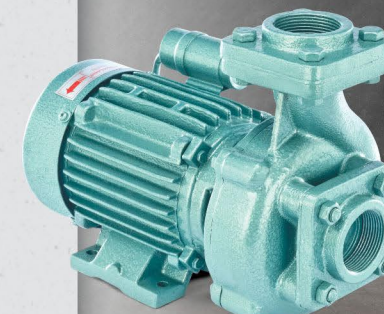
## Centrifugal Monoblock Pumps Single Phase

### ► SALIENT FEATURES

- Aesthetic Looks
- Withstand Wide Voltage Fluctuations
- High Suction Lift Up 7.5 Meters
- Thermal Overload Protector (TOP) To Prevents Motor Burning
- TEFC Capacitor Start & Run Motor With 'B' Class Insulation
- High Quality Extruded Aluminum Body
- Operating Voltage Range From 140v-240v 50Hz
- Light Weight For Easy Handling

### ► PERFORMANCE RANGE

Power Range : 0.5Hp to 2.0Hp  
0.37kW to 1.50kW  
Single Phase







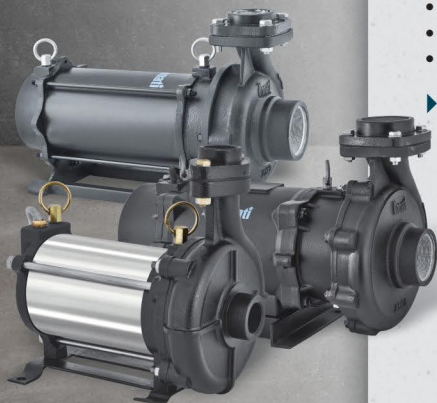
## Openwell Submersible Monoset

### ► SALIENT FEATURES

- Star marked energy efficient models certified by bureau of energy efficiency (BEE).
- Noise free operation.
- Durable and sand resistive
- High quality insulated winding wire for longer life.
- Fully powder coated CI components for better corrosion prevention.
- Dynamically balanced rotating parts ensures minimum vibrations and longer life.
- Designed for wide voltage fluctuations.
- No Suction and priming problem.
- Easily rewindable.

### ► PERFORMANCE RANGE

Power Range : 0.50 Hp - 30.00 Hp  
 Single Phase : 0.37 kW - 3.7 kW  
 Three Phase : 2.20 kW - 22.0 kW



## Vertical Openwell Submersible Monoset

### ► SALIENT FEATURES

- Star marked energy efficient models certified by bureau of energy efficiency (BEE).
- Noise free operation.
- Durable and sand resistive
- High quality insulated winding wire for longer life.
- Fully powder coated CI components for better corrosion prevention.
- Dynamically balanced rotating parts ensures minimum vibrations and longer life.
- Designed for wide voltage fluctuations.
- No Suction and priming problem.
- Easily rewindable.

### ► PERFORMANCE RANGE

Power Range : 5Hp to 20Hp  
 3.7kW to 15kW



## DC Solar Submersible Pumps

### ► SALIENT FEATURES

- High energy efficient submersible solar water pumps with High quality magnets and energy efficient inverter.
- High-tech automatic controller with Dynamic MPPT (Maximum Power Point Tracking) control method.
- The controller operates satisfactory with an ambient temperature up to 50 °C.
- Low maintenance cost.

### ► PERFORMANCE RANGE

Litre Per Day : Max 1,05,000 LPD  
 Head Range : Max 150m  
 Power Range : 0.5Hp to 5Hp  
 0.37kW to 4kW



## AC Solar Submersible Pumps

### ► SALIENT FEATURES

- High energy efficient submersible solar water pumps with High quality magnets and energy efficient inverter.
- High-tech automatic controller with Dynamic MPPT (Maximum Power Point Tracking) control method.
- The controller operates satisfactory with an ambient temperature up to 50 °C.
- Low maintenance cost.

### ► PERFORMANCE RANGE

Litre Per Day : Max 1,71,000 LPD  
 Head Range : Max 150m  
 Power Range : 0.5Hp to 20Hp  
 0.37kW to 15kW



\*Note: Need 8 hours clear sunlight for the desired output.







## Self Priming Pumps

### ► SALIENT FEATURES

- Aesthetic Looks
- Withstand Wide Voltage Fluctuations
- High Suction Lift Up 7.5 Meters
- Thermal Overload Protector (TOP) To Prevents Motor Burning
- TEFC Capacitor Start & Run Motor With 'B' Class Insulation
- High Quality Extruded Aluminum Body
- Operating Voltage Range From 140v-240v 50Hz
- Light Weight For Easy Handling

### ► PERFORMANCE RANGE

Power Range : 0.5Hp to 1Hp  
0.37kW to 0.75kW



## Shallow Well Pumps

### ► SALIENT FEATURES

- Suction lift up to 9.0 meters
- Super suction model for quick suction lift
- Class "B" type insulation, capacitor start & capacitor run motor with IP 44 protection.
- High quality carbon-ceramic mechanical seal
- Protection enclosure totally enclosed fan cooled motor (TEFC) type-No dust & moisture.

### ► PERFORMANCE RANGE

Power Range : 0.5Hp to 1Hp  
0.37kW to 0.75kW



## Unnati uPVC Column Pipes

### ► Size (in Inch)

1.00, 1.25, 1.50, 2.00, 2.25, 2.50,  
3.00, 3.50, 4.00, 5.00, 6.00

### ► SALIENT FEATURES

- Corrosion free & inert to chemicals
- Very low friction losses (10% to 30% more water)
- Cost effective
- Energy Saver
- No electrolytic deposition
- Easy installation & handling

### ► APPLICATIONS

- Water rising for submersible and jet pump for irrigation, domestic, industrial mining, chemical distribution.
- A wise replacement for MS, PPR, ERW, GI, HDPE and SS column pipes.
- uPVC is nearly inert towards corrosion, chemical reaction and erosion due to which it is ideally used in salty, sandy and chemically aggressive water.
- Installation: Vertical, Horizontal or Inclined.



## Unnati Submersible Cables

### ► 3 Core Flat Cable

- Sq mm  
1.5, 2.5, 4.0, 6.0, 10.0, 16.0, 25.0, 35.0

### ► 4 Core Flat Cable

- Sq mm  
1.5, 2.5, 4.0, 6.0, 10.0, 16.0, 25.0

### ► CABLE FEATURES

- Excellent insulating electrical & mechanical properties.
- Abrasion oil & moisture resistant.
- Operates at unfriendly field conditions (dry or wet).
- Durable and long lasting

### ► TECHNICAL DATA

Operating Temp	: 20 °C to max +80 °C
Test Voltage	: 3000V
Nominal Voltage	: 1100V
Minimum bending radius	: 6x Cable diameter
Flame retardant test	: As per IEC 60332-1





## Notes



Since 1969  
**Unnati**  
MOTORS | PUMPS