

India Low Voltage Cable Market By Installation (Overhead, and Underground), By Overhead Product (Conductors, Fittings and Fixtures, Others), By Underground Product (PVC Cables, XLPE Cables, Cable Terminations, Cable Joints, Others), By End-users (Infrastructure, Industrial, and Renewables), By Region, Competition, Forecast and Opportunities, 2028

<https://marketpublishers.com/r/IC005A8A2956EN.html>

Date: October 2023

Pages: 70

Price: US\$ 3,500.00 (Single User License)

ID: IC005A8A2956EN

Abstracts

India Low Voltage Cable market is expected to grow at a robust pace during the forecast period, 2024-2028. Low voltage cable refers to an electrical cable designed to carry voltage levels below 1kV (1000 volts). These cables are commonly used for power distribution, lighting, control systems, and communication systems in residential, commercial, and industrial applications. Low voltage cables can be made from different materials, such as copper or aluminum conductors, and insulation materials, such as PVC (Polyvinyl Chloride), XLPE (Cross-Linked Polyethylene), and rubber. The selection of materials depends on the application, environmental conditions, and specific requirements of the project. Low voltage cables are available in various types, including armored and unarmored, single-core and multi-core, screened and unscreened, and different sizes and configurations. They are designed to meet international standards and regulations, such as IEC (International Electrotechnical Commission) and IEEE (Institute of Electrical and Electronics Engineers).

The low voltage cable market is expected to grow owing to the increasing demand for electricity, rapid urbanization, and industrialization in developing countries. Moreover, the adoption of renewable energy sources and smart grid technologies is expected to

boost the demand for low voltage cables in the coming years.

In India, low voltage cables are widely used for various applications such as power distribution, lighting, and control systems. These cables typically have a voltage rating of 1000V or less and are designed to carry electrical energy at low voltage levels.

There are many different types of low voltage cables available in India, including, PVC insulated cables, have a polyvinyl chloride (PVC) insulation and are commonly used for power distribution, lighting, and control systems. XLPE insulated cables, have cross-linked polyethylene (XLPE) insulation, and are used for higher voltage applications, such as power transmission and distribution. Control cables are used for transmitting control signals in automation and process control systems. Instrumentation cables are used for transmitting signals from sensors and instruments to control systems. Flexible cables have flexible conductors and are used in applications where frequent bending is required, such as robotics and machine tools.

When selecting a low voltage cable in India, it is important to consider factors such as the voltage rating, current carrying capacity, insulation type, and environmental conditions. It is also important to ensure that the cable meets relevant safety standards and regulations.

Increasing demand for energy-efficient solutions

The increasing demand for energy-efficient solutions has been driving the low voltage cable market in recent years. As more companies and individuals become aware of the environmental and economic benefits of using energy-efficient solutions, the demand for low voltage cables has increased.

Low voltage cables are an essential component of energy-efficient solutions, such as solar panels, wind turbines, and electric vehicles. These cables are designed to transmit electrical power at low voltage levels, typically below 1,000 volts, with high efficiency and minimal energy loss. They are also more environment-friendly and cost-effective compared to high voltage cables, which are typically used in long-distance transmission of electricity.

In addition to energy-efficient solutions, the low voltage cable market is also driven by increasing urbanization, industrialization, and the growing demand for reliable and efficient power transmission systems. As a result, the demand for low voltage cables is expected to continue to grow in the coming years, as more countries focus on

renewable energy and sustainability.

Growing need for reliable and safe electrical systems drive the low voltage cable market.

The growing need for reliable and safe electrical systems is indeed a key driver for the low voltage cable market. Low voltage cables are used to transmit power and data in a wide range of applications, including residential, commercial, and industrial settings.

One of the main advantages of low voltage cables is that they are designed to operate at relatively low voltages, which reduces the risk of electrical shock and other safety hazards. In addition, low voltage cables are often more durable and reliable than higher voltage cables since they are less susceptible to voltage fluctuations and other electrical disturbances.

As the demand for electricity continues to grow, there is an increasing need for safe and reliable electrical systems. This has led to a growing demand for low voltage cables, as they are an essential component of many modern electrical systems. In particular, the growing adoption of renewable energy sources such as solar and wind power is driving demand for low voltage cables, as these sources typically generate electricity at low voltages.

In conclusion, the need for reliable and safe electrical systems is a key driver for the low voltage cable market, and this demand is expected to continue growing in the years ahead.

Rapid urbanization and industrialization

Rapid urbanization and industrialization are driving the low voltage cable market in recent years. As cities grow and expand, there is a greater demand for electricity to power homes, buildings, and infrastructure. This demand for electricity has resulted in the need for more low voltage cables, which are used to transmit power from the electrical grid to homes and businesses.

Moreover, with the increasing industrialization in many countries, there is a greater need for low voltage cables to power factories, manufacturing plants, and other industrial facilities. Low voltage cables are used to power a variety of machinery and equipment, making them an essential component of many industrial processes.

Furthermore, the growing demand for renewable energy sources, such as wind and solar power, also drives the low voltage cable market. These sources of energy require low voltage cables to transmit power from the generating source to the electrical grid, where it can be distributed to homes and businesses.

Overall, the combination of rapid urbanization, industrialization, and the demand for renewable energy sources has led to a growing need for low voltage cables, driving the market for these products.

Regulations of Low Voltage Cables in India

In India, the regulations for low voltage cables are governed by the Bureau of Indian Standards (BIS). These standards provide specifications for the construction materials, dimensions, testing, and marking of low voltage cables. The standards cover a range of cable types, including PVC insulated cables, XLPE insulated cables, and elastomer insulated cables.

In addition to the BIS standards, there are also regulations governing the installation and use of low voltage cables in India. The Central Electricity Authority (CEA) and the Ministry of Power have published regulations related to the safety and quality of electrical installations, including those involving low voltage cables. These regulations cover issues such as wiring practices, grounding, protection against electric shock, and equipment testing and certification. It is important to follow these regulations when installing and using low voltage cables to ensure safety and reliability.

Market Segmentation

India Low Voltage Cable market is segmented based on installation, overhead product, underground product, and end-users. Based on installation, the market is further bifurcated into overhead and underground. Based on overhead product, the market is further segmented into conductors, fittings and fixtures, others. Based on underground product, the market is further segmented into PVC cables, XLPE cables, cable terminations, cable joints, and others. Based on end-users, the market is further segmented into infrastructure, industrial, and renewables.

Market Players

Some of the key players in the Indian Low Voltage Cable market are Polycab Wires Pvt. Ltd., Sterlite Technologies Ltd., Finolex Cables Ltd., Havells India Ltd., RR Kabel,

Diamond Power Infrastructure Ltd., KEI Industries Ltd., Gupta Power Infrastructure Ltd., Universal Cables Ltd., and V-Guard Industries Ltd.

Report Scope:

In this report, the India Low Voltage Cable market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Low Voltage Cable Market, By Installation:

Overhead

Underground

India Low Voltage Cable Market, By Overhead Product:

Conductors

Fittings and Fixtures

Others

India Low Voltage Cable Market, By Underground Product:

PVC Cables

XLPE Cables

Cable Terminations

Cable Joints

Others

India Low Voltage Cable Market, By End-Users:

Infrastructure

Industrial

Renewables

India Low Voltage Cable Market, By Region:

North India

South India

East India

West India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India Low Voltage Cable market.

Available Customizations:

With the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

4. VOICE OF CUSTOMERS

5. INDIA LOW VOLTAGE CABLE MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Installation (Overhead, Underground)
 - 5.2.2. By Overhead Product (Conductors, Fittings and Fixtures, Others)
 - 5.2.3. By Underground Product (PVC Cables, XLPE Cables, Cable Terminations, Cable Joints, Others)
 - 5.2.4. By End-User (Infrastructure, Industrial and Renewables)
 - 5.2.5. By Region
- 5.3. By Company (2022)
- 5.4. Market Map

6. NORTH INDIA LOW VOLTAGE CABLE MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Installation

6.2.2. By Overhead Product

6.2.3. By Underground Product

6.2.4. By End-User

7. SOUTH INDIA LOW VOLTAGE CABLE MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Installation

7.2.2. By Overhead Product

7.2.3. By Underground Product

7.2.4. By End-User

8. WEST INDIA LOW VOLTAGE CABLE MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Installation

8.2.2. By Overhead Product

8.2.3. By Underground Product

8.2.4. By End-User

9. EAST INDIA LOW VOLTAGE CABLE MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Installation

9.2.2. By Overhead Product

9.2.3. By Underground Product

9.2.4. By End-User

10. MARKET DYNAMICS

10.1. Drivers

10.2. Challenges

11. MARKET TRENDS & DEVELOPMENTS

12. IMPACT OF COVID-19 ON INDIA LOW VOLTAGE CABLE MARKET

13. POLICY & REGULATORY LANDSCAPE

14. INDIA ECONOMIC PROFILE

15. COMPANY PROFILES

15.1. Polycab Wires Pvt. Ltd.

15.1.1. Business Overview

15.1.2. Key Revenue and Financials (If Available)

15.1.3. Recent Developments

15.1.4. Key Personnel

15.1.5. Key Product/Services

15.2. V-Guard Industries

15.2.1. Business Overview

15.2.2. Key Revenue and Financials (If Available)

15.2.3. Recent Developments

15.2.4. Key Personnel

15.2.5. Key Product/Services

15.3. Sterlite Technologies Ltd.

15.3.1. Business Overview

15.3.2. Key Revenue and Financials (If Available)

15.3.3. Recent Developments

15.3.4. Key Personnel

15.3.5. Key Product/Services

15.4. Finolex Cables Ltd.

- 15.4.1. Business Overview
- 15.4.2. Key Revenue and Financials (If Available)
- 15.4.3. Recent Developments
- 15.4.4. Key Personnel
- 15.4.5. Key Product/Services

15.5. Havells India Ltd.

- 15.5.1. Business Overview
- 15.5.2. Key Revenue and Financials (If Available)
- 15.5.3. Recent Developments
- 15.5.4. Key Personnel
- 15.5.5. Key Product/Services

15.6. RR Kabel

- 15.6.1. Business Overview
- 15.6.2. Key Revenue and Financials (If Available)
- 15.6.3. Recent Developments
- 15.6.4. Key Personnel
- 15.6.5. Key Product/Services

15.7. Diamond Power Infrastructure Ltd.

- 15.7.1. Business Overview
- 15.7.2. Key Revenue and Financials (If Available)
- 15.7.3. Recent Developments
- 15.7.4. Key Personnel
- 15.7.5. Key Product/Services

15.8. KEI Industries Ltd.

- 15.8.1. Business Overview
- 15.8.2. Key Revenue and Financials (If Available)
- 15.8.3. Recent Developments
- 15.8.4. Key Personnel
- 15.8.5. Key Product/Services

15.9. Gupta Power Infrastructure Ltd.

- 15.9.1. Business Overview
- 15.9.2. Key Revenue and Financials (If Available)
- 15.9.3. Recent Developments
- 15.9.4. Key Personnel
- 15.9.5. Key Product/Services

15.10. Universal Cables Ltd.

- 15.10.1. Business Overview
- 15.10.2. Key Revenue and Financials (If Available)

15.10.3. Recent Developments

15.10.4. Key Personnel

15.10.5. Key Product/Services

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

(Note: The companies list can be customized based on the client requirements.)

I would like to order

Product name: India Low Voltage Cable Market By Installation (Overhead, and Underground), By Overhead Product (Conductors, Fittings and Fixtures, Others), By Underground Product (PVC Cables, XLPE Cables, Cable Terminations, Cable Joints, Others), By End-users (Infrastructure, Industrial, and Renewables), By Region, Competition, Forecast and Opportunities, 2028

Product link: <https://marketpublishers.com/r/IC005A8A2956EN.html>

Price: US\$ 3,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/IC005A8A2956EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970