

# Global Communication Power Lines Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Communication Power Lines market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Communication power lines, also known as power line communication (PLC), is a technology that uses existing electrical power lines to transmit data and information. This technology is used to provide internet access, home networking, and other communication services without the need for additional wiring or infrastructure.

PLC works by superimposing high-frequency signals onto the low-frequency electrical power that is already flowing through the wires. These signals can then be decoded and used to transmit data, voice, or video communications. PLC can be used for both indoor and outdoor applications, and can provide connectivity over long distances.

One of the advantages of PLC is its widespread availability, since most buildings and homes are already connected to the electrical power grid. This makes it a cost-effective and practical solution for delivering broadband internet access to rural areas or for connecting smart home devices.

However, PLC also has some limitations, such as lower data transfer rates compared to other wired or wireless technologies. Additionally, the quality of the communication may be affected by electrical noise and interference from other devices connected to the same power line. Despite these challenges, PLC continues to be an important and evolving technology for delivering communication services over existing power lines.

This report is a detailed and comprehensive analysis for global Communication Power Lines market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

#### Key Features:

Global Communication Power Lines market size and forecasts, in consumption value (\$ Million), sales quantity (Kilometers), and average selling prices (US\$/m), 2018-2029

Global Communication Power Lines market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilometers), and average selling prices (US\$/m), 2018-2029

Global Communication Power Lines market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilometers), and average selling prices (US\$/m), 2018-2029

Global Communication Power Lines market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilometers), and ASP (US\$/m), 2018-2023

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Communication Power Lines

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Communication Power Lines market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, Texas Instruments, STMicroelectronics,

Siemens AG and Schneider Electric, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Communication Power Lines market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Narrowband PLC

Broadband PLC

### Market segment by Application

Telecommunications

Industrial Automation

Others

### Major players covered

ABB

Texas Instruments

STMicroelectronics

Siemens AG

Schneider Electric

Comtrend Corporation

Maxim Integrated

Marvell Technology Group

Renesas Electronics

Qualcomm

Belkin International

devolo AG

Netgear

Sigma Designs

Panasonic

Kingsignal

Caltta

Beijing NiMotion Control Technology

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of

Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Communication Power Lines product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Communication Power Lines, with price, sales, revenue and global market share of Communication Power Lines from 2018 to 2023.

Chapter 3, the Communication Power Lines competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Communication Power Lines breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Communication Power Lines market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Communication Power Lines.

Chapter 14 and 15, to describe Communication Power Lines sales channel, distributors, customers, research findings and conclusion.

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