

Global Unshielded Data Cable Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Unshielded Data Cable market size is expected to reach \$ 3247 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

In 2025, global Unshielded Data Cable production reached approximately 2.59 million kilometers , with an average global market price of around US\$0.8 per meter.

Unshielded data cable generally refers to a data transmission cable without metallic shielding, with unshielded twisted pair (UTP) cable being the most common type. It is widely used in local area networks, structured cabling, data centers, security systems, and industrial communication. The cable typically consists of multiple pairs of insulated copper conductors twisted together at controlled pitches and covered with PVC, LSZH, or PE jackets. The twisted-pair structure helps reduce electromagnetic interference and crosstalk. Compared with shielded data cables, unshielded data cables offer lower cost, easier installation, better flexibility, and simpler maintenance, although their interference resistance is weaker in high-EMI environments. Therefore, they are mainly suitable for offices, residential networks, commercial buildings, and general industrial communication systems.

The upstream of the unshielded data cable industry chain mainly includes suppliers of copper conductors, insulation materials, jacket compounds, flame-retardant materials, fillers, and packaging materials, with copper being the key cost driver. Representative raw material suppliers include Freeport-McMoRan, BHP, Rio Tinto, Jiangxi Copper, Aurubis, Dow, BASF, and LyondellBasell. The midstream consists of data cable manufacturers responsible for wire drawing, insulation extrusion, pair twisting, cabling, jacket extrusion, testing, and packaging. Representative companies include Coroflex, Phoenix Contact, Norden Communication. Downstream applications include telecom

operators, data centers, smart buildings, security surveillance, industrial automation, education and healthcare facilities, and residential networks, with typical end users such as China Mobile, China Telecom, AT&T, NTT, Amazon Web Services, Microsoft, Google, Equinix, Foxconn, Siemens, and Honeywell. Overall, the industry chain is characterized by “copper and polymer materials driving cost, manufacturing processes determining transmission performance, and digital infrastructure investment driving demand.”

The unshielded data cable market is currently mature but still supported by stable demand, with office networks, residential broadband, security surveillance, smart buildings, and small-to-medium data centers remaining the main application areas. Competition is gradually shifting from pure price competition toward transmission stability, fire rating, installation convenience, and brand certification. In the future, demand will continue to be supported by digital infrastructure development, Wi-Fi access point deployment, PoE applications, surveillance camera upgrades, and smart building renovation, while Cat6 and Cat6A products are expected to gain a larger share and low-end Cat5e products may see limited growth. Key restraints include copper price volatility, low-price homogenized competition, partial substitution by optical fiber in long-distance transmission, and the replacement effect of shielded cables in high-interference industrial environments. Overall, unshielded data cable is unlikely to be a high-growth breakout market, but its low cost, easy installation, and broad compatibility will allow it to maintain stable demand in general structured cabling and short-to-medium-distance data transmission applications.

This report studies the global Unshielded Data Cable production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Unshielded Data Cable and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Unshielded Data Cable that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Unshielded Data Cable total production and demand, 2021-2032, (K Meter)

Global Unshielded Data Cable total production value, 2021-2032, (USD Million)

Global Unshielded Data Cable production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Meter), (based on production site)

Global Unshielded Data Cable consumption by region & country, CAGR, 2021-2032 &

(K Meter)

U.S. VS China: Unshielded Data Cable domestic production, consumption, key domestic manufacturers and share

Global Unshielded Data Cable production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Meter)

Global Unshielded Data Cable production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Meter)

Global Unshielded Data Cable production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Meter)

This report profiles key players in the global Unshielded Data Cable 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 Coroflex, Phoenix Contact, E&E Cable Solutions, Norden Communication, Daetwyler, Custom Wire Industries, Lake Cable, CommScope, Judd Wire, Proterial Cable America, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Unshielded Data Cable market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Meter) and average price (US\$/Meter) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Unshielded Data Cable Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Unshielded Data Cable Market, Segmentation by Type:

Oxygen-Free Copper

Bare Copper

Tin-Plated Copper

Copper-Clad Aluminum

Global Unshielded Data Cable Market, Segmentation by Frequency:

100 MHz-250 MHz

250 MHz-500 MHz

Others

Global Unshielded Data Cable Market, Segmentation by Transmission Level:

Cat5e

Cat6

Cat6A

Cat7

Cat8

Others

Global Unshielded Data Cable Market, Segmentation by Application:

Local Area Network

Data Center

Security Monitoring

Smart Building

Residential

Others

Companies Profiled:

Coroflex

Phoenix Contact

E&E Cable Solutions

Norden Communication

Daetwyler

Custom Wire Industries

Lake Cable

CommScope

Judd Wire

Proterial Cable America

Kangli Cable

Feynman Cable

Yuncheng Group

Dongqiang Cable

Wanma Tech

Zhaolong Interconnect

SanHeng Cable

Jijiatx

Simpact

Zhongsheng Electric

Jiutai Intelligent Technology

Key Questions Answered:

1. How big is the global Unshielded Data Cable market?
2. What is the demand of the global Unshielded Data Cable market?
3. What is the year over year growth of the global Unshielded Data Cable market?
4. What is the production and production value of the global Unshielded Data Cable market?
5. Who are the key producers in the global Unshielded Data Cable market?
6. What are the growth factors driving the market demand?

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