+357 96 030922
info@marketpublishers.com

Global Data Center High-speed Communication Cables Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G074AB1103FFEN.html
Date: April 2026
Pages: 85
Price: US$ 4,480.00 (Single User License)
ID: G074AB1103FFEN

Abstracts

The global Data Center High-speed Communication Cables market size is expected to reach $ 456 million by 2032, rising at a market growth of 6.9% CAGR during the forecast period (2026-2032).

Data Center High-speed Communication Cables refer to the specialized materials used in cables designed for high-speed data transmission within data centers. These materials are widely used in interconnect solutions such as direct attach copper (DAC), active electrical cables (AEC), and active optical cables (AOC) that connect servers, switches, and storage systems. Typical materials include high-conductivity copper conductors, low-loss insulation materials such as fluoropolymers (e.g., FEP and PTFE), high-performance shielding layers, and heat-resistant jacket materials. These materials ensure low signal attenuation, minimal crosstalk, and stable performance during high-speed data transmission. As network speeds evolve from 400G to 800G and even 1.6T, higher requirements are placed on dielectric properties, electrical conductivity, and thermal stability, making high-speed cable materials a critical component of modern data center interconnect infrastructure. In 2025, global Data Center High-speed Communication Cables production reached approximately 33 k tons, with an average global market price of around US$8000 per ton.The production capacity for Data Center High-speed Communication Cables in 2025 was approximately 35 k tons. The typical gross profit margin for Data Center High-speed Communication Cables between 20% and 40%.

This report studies the global Data Center High-speed Communication Cables production, demand, key manufacturers, and key regions.

+357 96 030922
info@marketpublishers.com

This report is a detailed and comprehensive analysis of the world market for Data Center High-speed Communication Cables 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 Data Center High-speed Communication Cables that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Data Center High-speed Communication Cables total production and demand, 2021-2032, (Kilotons)

Global Data Center High-speed Communication Cables total production value, 2021-2032, (USD Million)

Global Data Center High-speed Communication Cables production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Data Center High-speed Communication Cables consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Data Center High-speed Communication Cables domestic production, consumption, key domestic manufacturers and share

Global Data Center High-speed Communication Cables production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Data Center High-speed Communication Cables production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Data Center High-speed Communication Cables production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Data Center High-speed Communication Cables 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 Sumitomo Electric, Fujikura, Nexans, Shenzhen Woer Heat-Shrinkable Material, Shenyu

+357 96 030922
info@marketpublishers.com

Communication Technology, 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 Data Center High-speed Communication Cables market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Kilotons) and average price (US$/Ton) 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 Data Center High-speed Communication Cables Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Data Center High-speed Communication Cables Market, Segmentation by Type:

Twinax Cable

+357 96 030922
info@marketpublishers.com

High-Speed Differential Pair Cable

Global Data Center High-speed Communication Cables Market, Segmentation by Material Type:

High-purity Copper Conductor

FEP Insulation Material

PE Insulation Material

Other

Global Data Center High-speed Communication Cables Market, Segmentation by Application:

Data Centers / AI Servers

Communication Equipment / Switches

High-Performance Computing (HPC)

Others

Companies Profiled:

Sumitomo Electric

Fujikura

Nexans

Shenzhen Woer Heat-Shrinkable Material

Shenyu Communication Technology

+357 96 030922
info@marketpublishers.com

Key Questions Answered:

1. How big is the global Data Center High-speed Communication Cables market?
2. What is the demand of the global Data Center High-speed Communication Cables market?
3. What is the year over year growth of the global Data Center High-speed Communication Cables market?
4. What is the production and production value of the global Data Center High-speed Communication Cables market?
5. Who are the key producers in the global Data Center High-speed Communication Cables market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

7 MARKET ANALYSIS BY APPLICATION

8 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

9 INDUSTRY CHAIN ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Data Center High-speed Communication Cables Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/G074AB1103FFEN.html

Price: US$ 4,480.00 (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/G074AB1103FFEN.html