

# Subsea Cables Market Poised for Growth at an 8.7% CAGR Over the Next Decade | Persistence Market Research

*North America, led by the U.S., drives offshore wind growth, boosting demand for subsea power cables with federal incentives and state renewable mandates*

LOS ANGELES, CA, UNITED STATES, October 3, 2025 /EINPresswire.com/ -- The global [subsea cables market](#) size is likely to be valued at US\$18.5 billion in 2025 and is expected to reach US\$33.2 billion by 2032, registering a robust CAGR of 8.7% during the forecast period from 2025 to 2032. Subsea

cables, which include fiber-optic and power transmission cables laid under oceans and seas, are integral to global telecommunications, energy transmission, and internet infrastructure. These cables enable high-speed data transfer across continents, support interconnection of power grids, and facilitate offshore energy projects, making them a backbone of the modern digital and energy economy.

## Key Highlights from the Report

- The global subsea cables market is projected to reach US\$33.2 billion by 2032.
- Fiber-optic cables lead the product segment due to growing internet and data transmission demands.
- The telecom sector remains the largest end-user of subsea cables.
- North America and Europe dominate the market owing to advanced infrastructure and high internet penetration.
- Rising demand for offshore wind energy and renewable power interconnections is driving market expansion.



- Technological advancements in cable design, including higher capacity and durability, are fueling adoption.

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## Market Segmentation

The subsea cables market is segmented based on cable type, application, and end-user. Fiber-optic cables dominate the market, accounting for the majority share due to increasing demand for high-speed internet, cloud computing, and global data connectivity. Power transmission cables are witnessing growth driven by the expansion of offshore wind farms, cross-border energy trading, and renewable energy integration.

In terms of application, telecommunication remains the primary segment, supporting high-capacity data transfer for internet service providers, cloud computing firms, and global enterprise networks. Power transmission applications are gaining traction, particularly in regions investing heavily in renewable energy infrastructure and offshore wind projects.

By end-user, telecom companies and internet service providers constitute the largest segment, followed by utility companies and energy operators. The market also serves emerging segments such as undersea research installations, military communication networks, and intercontinental data centers.

## Regional Insights

North America and Europe collectively dominate the subsea cables market, supported by the presence of leading telecom and utility providers, established technological infrastructure, and extensive investments in upgrading network capabilities. The U.S., U.K., and Germany remain key contributors to market growth, driven by rising broadband penetration and cross-border energy projects.

Asia-Pacific is expected to witness the fastest growth over the forecast period, propelled by rapidly expanding internet usage, growing data center investments, and increasing adoption of renewable energy solutions in countries like China, Japan, and India. The Middle East & Africa and Latin America regions are gradually increasing their subsea cable investments to improve connectivity, support offshore energy projects, and enhance regional communications networks.

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## Market Drivers

The subsea cables market is primarily driven by surging global data consumption, growth of cloud computing, and increasing reliance on high-speed internet for commercial, industrial, and consumer applications. The ongoing expansion of undersea cable networks to interconnect continents is further enhancing the market outlook.

Growth in offshore energy projects, particularly wind and tidal energy farms, is creating demand for power transmission subsea cables capable of operating in harsh underwater environments. Governments and private operators are investing heavily in renewable energy infrastructure, requiring durable and high-capacity cables for efficient power delivery.

Advancements in cable technology, such as improved fiber-optic designs, higher transmission capacity, and enhanced durability against environmental and mechanical stress, are boosting adoption across sectors. Additionally, the push for digital transformation and smart grid initiatives is driving utilities and telecom operators to invest in subsea cable networks that ensure reliable connectivity and energy supply.

## Market Restraints

Despite robust growth prospects, the subsea cables market faces several challenges. High installation costs, technical complexities in laying and maintaining undersea cables, and susceptibility to natural hazards such as underwater earthquakes, fishing activities, and shipping operations can pose significant risks. Environmental concerns and stringent regulatory approvals for subsea construction projects may also delay deployments in certain regions. Furthermore, fluctuations in raw material costs for cable manufacturing can affect profitability for market players.

## Company Insights

Key players operating in the subsea cables market include:

- ALE USA Inc.
- SubCom, LLC
- NEC Corporation
- Prysmian S.p.A
- Nexans
- Google LLC
- Amazon.com, Inc.
- Microsoft

Recent market developments include:

- Prysmian Group launched ultra-high-capacity subsea fiber-optic cables to support next-generation data transmission needs across transatlantic routes.
- Nexans S.A. introduced a specialized high-voltage subsea power cable system designed for offshore wind farms in Europe, improving efficiency and reliability of energy transmission.
- SubCom LLC completed a landmark subsea fiber-optic installation in the Asia-Pacific region to enhance intercontinental connectivity and network resilience.

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## Future Outlook

The subsea cables market is poised for strong growth over the forecast period, driven by ongoing global digitalization, renewable energy expansion, and rising cross-border power and communication needs. Investments in high-capacity, durable subsea cable solutions are expected to accelerate, particularly in regions with increasing data traffic and renewable energy initiatives.

Emerging technological trends, such as smart monitoring systems for cable performance, modular cable designs, and improved materials resistant to underwater pressures and corrosion, are likely to further strengthen market adoption. Strategic partnerships, joint ventures, and regional expansions by major players will continue to shape the competitive landscape, enabling broader access to high-quality subsea connectivity.

With increasing global internet usage, the rise of cloud-based applications, and the expansion of offshore renewable energy projects, the subsea cables market is expected to witness sustained growth, presenting opportunities for manufacturers, service providers, and investors worldwide.

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[Multi-Function Printer Market](#): The global multi-function printer (MFP) market size is likely to be valued at US\$22.15 Bn in 2025 and reach US\$31.0 billion by 2032, growing at a CAGR of 4.9% during the forecast period from 2025 to 2032.

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