

# Large-scale optical cable investment



## Overview

2024 began with Google joining the "Humboldt" project—the first subsea cable directly connecting South America to the Asia Pacific region. This story is indicative of a larger trend shaping the industry — investments from hyperscalers are taking on widespread infrastructure. Subsea fiber-optic cables now span roughly 1.48 million kilometers globally (TeleGeography), carrying the overwhelming majority of intercontinental data traffic and quietly underpinning everything from cloud platforms to cross-border payments. For institutional investors, the attraction is not only. Fiber optic vendors are employing a mix of manufacturing expansion, technological innovation in high-density and next-generation fibers, and strategic supply chain alignment to meet the anticipated surge in demand from AI and data centers in 2026. The demand is so high that at least one major fiber. The global telecommunications infrastructure industry is entering a phase of accelerated and sustained growth, driven by the rapid expansion of broadband networks, rising investments in 5G technology, increasing construction of data centers, and the growing need for high-speed, reliable. Altman Solon is the largest global strategy consulting firm exclusively working in the TMT sectors. Following a presentation at our annual London Breakfast, Managing Director Justin Hotchkiss shares his insights on the investment potential of subsea cables in an era of hyperscaler usage. This article breaks down the unit.

## Article Content

Investing in fiber cable: Four broadband opportunities

High investor demand has put a premium on fiber networks that deliver broadband connections to households, but there is still scope for more

Active Optical Cable Market Size | Industry Report, 2030

Active Optical Cable Market Summary The global active optical cable market size was estimated at USD 3.97 billion in 2023 and is projected to reach USD 9.07

Oceans of Data: The Subsea Cable Projects That

Various subsea cable projects underscored the industry's push toward higher fiber counts, unprecedented terabit-scale capacity, and

Active Optical Cable Market Size and Growth Forecast,

Analysis of Key Players The global active optical cable market is fragmented, with a substantial number of large-scale vendors holding the maximum share.

How will fiber and equipment vendors meet the increased demand for ...

Fiber optic vendors are employing a mix of manufacturing expansion, technological innovation in high-density and next-generation fibers, and strategic supply chain alignment to meet

McKinsey Direct Opportunities in networking optics ...

The rapid growth in the networking optics pluggable-transceiver market is largely spurred by hyperscalers and telecom, especially as AI adoption increases.<sup>4</sup> According to McKinsey analysis,

Optical Fiber Cable Market Size, Share, and Trends

The global Optical Fiber Cable market size was estimated at USD 5,896.39 Million in 2022 and is estimated to grow at a CAGR of 12.2% from 2023 to 2030.

Active Optical Cable & Extender Market Size, Share,

Reliability of AOCs than traditional copper cables, Large-scale adoption of cloud-based services drives market growth during the forecast

Relativity Networks Secures \$6M Seed Funding to

In March, Relativity signed a long-term partnership agreement with Prysmian to bring its next-generation fiber-optic cable to market at scale and

Meta plans to build a \$10B subsea cable spanning the

TechCrunch has confirmed with sources close to the company that Meta plans to build a new, major, fiber-optic subsea cable extending around the

Fiber optic cable Market Size, Share & Trends, 2033

Based on cable type, the non-armored fiber optic cables segment dominated the market with 45.1% share in 2024, supported by their cost-effectiveness and wide usage in telecom

Subsea Cable Investment Opportunities

Following a presentation at our annual London Breakfast, Managing Director Justin Hotchkiss shares his insights on the investment potential of subsea cables in an

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McKinsey Direct Opportunities in networking optics ...

Networking optics market growth by segment The rapid growth in the networking optics pluggable-transceiver market is largely spurred by hyperscalers and telecom, especially as AI adoption

Subsea Cable Investment Opportunities & Hyperscalers | Altman Solon

Following a presentation at our annual London Breakfast, Managing Director Justin Hotchkiss shares his insights on the investment potential of subsea cables in an era of hyperscaler usage.

Subsea Cable Investment Opportunities

Subsea Cable Investment Opportunities in the Era of Hyperscalers August 2024  
Altman Solon is the largest global strategy consulting firm exclusively working in

Fiber Investment

The growing demand for high-speed internet, cloud computing, and real-time data services has made fiber investments a priority for governments, private investors, and technology providers.

Fiber Optic Cable Manufacturing Emerges as High-Growth Investment ...

Overall, the combination of strong market fundamentals, favorable financial metrics, and critical relevance to global digital transformation positions fiber optic cable manufacturing as a strategically

The U.S. is investing in fiber-optic internet. Here's what

We tour a North Carolina plant where melted glass is pulled into the hair-like strands that power fiber-optic cable.

ITPro Today, Network Computing, IoT World Today combine

ITPro Today, Network Computing and IoT World Today have combined with TechTarget . The page you are looking for may no longer exist.

Subsea Fiber Cables Investment: AI, Hyperscalers, Private

Investment surged into subsea projects, peaking in the mid-single-digit billions annually, before collapsing abruptly in the early 2000s as wholesale pricing compressed and over-levered

Oceans of Data: The Subsea Cable Projects That Shaped Global ...

Various subsea cable projects underscored the industry's push toward higher fiber counts, unprecedented terabit-scale capacity, and geographically diverse routing.

Relativity Networks Secures \$6M Seed Funding to Power the Next ...

In March, Relativity signed a long-term partnership agreement with Prysmian to bring its next-generation fiber-optic cable to market at scale and have already delivered HCF to hyperscalers,

Relativity Networks and Prysmian Partner for High-Volume Production

This strategic agreement between Prysmian and Relativity Networks will ensure the large-scale manufacturing necessary to meet the rising demand for advanced optical fiber and cable

Fiber Optic Infrastructure: A Connection Is Made | KKR

The fastest and most reliable internet connection is through fiber optic cable, which moves data at the speed of light through a unique, dedicated line to each customer. When interest in fiber connections

Fiber Optics Market Size & Share | Industry Report, 2033

The region's focus on sustainable and energy-efficient network deployments further strengthens fiber adoption. Asia Pacific Fiber Optics Market Trends Asia Pacific

Need for Speed: Opportunities and Risks of Fiber Optic

Discover the opportunities and risks of fiber optic investments—demand, cost, financing & deployment strategies in a changing

Unit Economics of Fiber Optic Investments

Explore the financial dynamics of fiber optic investments, including costs, revenue models, and the impact of government programs on ROI. Fiber optic investments are reshaping

## Contact Us

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