Optical Cable Materials Industry 2019



Overview

Optical Fiber Cable Production Industry. Fiber-Optic Cable. The major benefit of fiber optic cable is the increased security option that cannot be tapped.

Key Takeaways

The global optical cable industry in 2019 faced a contraction in demand and prices, with significant regional variations and technological drivers such as 5G deployment influencing market dynamics.

Global Market Overview

In 2019, global optical cable consumption decreased for the first time since 2002, falling below 480 million fibre-km from over 500 million fibre-km in 2018, marking a nearly 7% year-on-year contraction in volume and an estimated 24% decline in market value. This downturn was largely driven by weak demand, excess production capacity, and falling bare fibre prices, which significantly impacted producers worldwide. The industry experienced a challenging year, with China, historically a major growth driver, showing a double-digit decline in demand, reversing a decade-long expansion trend.

Regional Dynamics

China: Demand for optical cable fell sharply, with China Mobile's 2019 tender for standard telecom fibre and cable totaling 105 million fibre-km, down 16% from 2018. Inventories in China exceeded 20 million fibre-km, contributing to downward price pressure and aggressive export strategies. India: The Indian optical fiber cable market was valued at $881.

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5 million in 2019 and projected to grow at a CAGR of 19. 7% to reach $2. 1 billion by 2024.

Growth was driven by government initiatives like Digital India and Smart Cities, rising FTTH adoption, increasing mobile device penetration, and expanding data centers. Other Markets: In the US and Europe, demand remained relatively stable, with carriers maintaining construction plans, though procurement and inventory management led to flat monthly orders in the latter half of 2019.

Technological and Industry Drivers

The launch of commercial 5G services in nearly 30 countries in 2019 highlighted the importance of high-capacity optical networks.

Fiber-to-the-

Home (FTTH) and other broadband network architectures increased the need for large-scale fiber deployment. Technological advancements in telecom infrastructure, including high-count cables for dense urban areas, were key growth drivers despite overall market contraction.

Market Challenges

The industry faced several challenges in 2019: Price Collapse: Record-low G652. D bare fibre prices affected profitability and global trade patterns. Excess Capacity: Overproduction led to inventory accumulation, particularly in China, creating downward pressure on prices.

Demand Volatility: Regional fluctuations, especially in China and India, created uncertainty for producers.

Industry Outlook

Despite the 2019 downturn, the optical cable industry remained strategically important due to ongoing 5G rollouts, FTTH expansion, and data center growth. The market was expected to recover in subsequent years, with India and other emerging markets offering strong growth potential, while technological innovation continued to shape product demand and deployment strategies.

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Article Content

Optical Fiber Cable Production Industry. Fiber-Optic Cable ...

The major benefit of fiber optic cable is the increased security option that cannot be tapped with the traditional copper cable. This is another major factor driving the fiber optic cables market.

Optical Fiber Cable Industry 2019 Global Market Growth, Size, Share ...

The research analysts provide an elaborate description of the value chain and its distributor analysis. Optical Fiber Cable market study provides comprehensive data which enhances

Optical fibre and cable industry review

In the second edition of this annual Insight (view part one here), CRU take a step back and review the key changes and developments in the optical fibre and cable industry in 2019, highlighting the lows

CRU: Optical Fibre and Cable Industry Review: Highlights from 2019

LONDON, Jan. 24, 2020 /PRNewswire/ -- In the second edition of this annual Insight, CRU take a step back and review the key changes and developments in the optical fibre and cable industry in...

Fibre Optic Cable Market Size, Share, Growth & Forecast

The Fibre Optic Cable Market encompasses the design, manufacturing, and deployment of high-capacity optical fiber cables that transmit data via pulses of light.

Wire and Cable

As part of CRU''s Q4 2019 update to our Telecom Cables Market Outlook, we have lowered our forecast for global optical cable demand this year by 7 million fibre-km when compared to our August update.

Optical Fiber Raw Material Market: Industry Analysis and Forecast

The soaring price of basic materials has put pressure on optical fiber and cable material manufacturers, and it has also brought pressure on optical fiber and cable companies.

Fiber Optic Cables Market 2019: By manufacturers, Type

The report offers detailed coverage of Fiber Optic Cables industry and main market trends. The market research includes historical and forecast market data, demand, application details, price

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Fiber Optic Cable Market 2019 Global Significant Growth, Share,

The report on the global Fiber optic cables market covers historical market trends, current market dynamics, market valuation by segmentation as well as region, country-level analysis for every

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IEC 60794-3-11:2026 PRV Optical fibre cables - Part 3-11: Outdoor cables – Detailed specification for duct, directly buried, and lashed aerial optical fibre

Fiber Optic Cable Materials Market: Industry Analysis and Forecast

High demand for internet to Drive the Fiber Optic Cable Materials Market Growth The global surge in internet usage and the increasing deployment of FTTx (Fiber to the x) technologies

Fiber Optic Cable Market Size

Fiber Optic Cable Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031) The Fiber Optic Cable Market Report is Segmented by Cable Type (Armored Cable, Non

Fiber Optic Cable Market Size, Forecasts Report 2026-2035

Fiber Optic Cable Market Size The fiber optic cable market was valued at USD 14.6 billion in 2025. The market is expected to grow from USD 15.7 billion in 2026 to USD 23.8 billion in 2031 & USD 35.6

Optical Fiber Cable Production Industry. Fiber-Optic Cable ...

The bundles are protected by a jacket, which is the cable''s outer covering. The single optical fiber consists of the core which is the thin glass center of the fiber where the light travels, the outer optical

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Fiber Optic Cable Market Size, Share | Analysis 2035

As per Market Research Future analysis, the Fiber Optic Cable Market Size was estimated at 16.22 USD Billion in 2024. The Fiber Optic Cable industry is projected to grow from

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Overview of modern materials used for the production of optical fiber ...

The operational efficiency of an optical cable depends on the optical fiber, which is the main structural element providing high speed and quality of the transmitted signal. The analysis of

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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