How many fiber optic cables are there in Bangladesh



Overview

Bangladesh Fiber Optic Cables Market (2025-2031) | Industry & ValueThe Bangladesh Fiber Optic Cables Market is experiencing steady growth due to increasing.

Key Takeaways

Bangladesh currently has 150,000 km of fiber optic cables and aims to expand to 500,000 km, with a focus on underground networks to improve safety and connectivity.

Current Status

Bangladesh has rolled out approximately 150,000 kilometres of fiber optic cables, but 75% of this network is overhead, making it highly vulnerable to natural disasters such as storms and floods (Faiz Ahmad Taiyeb, Ministry of Posts, Telecommunications and ICT). Despite over 15 years of National Telecommunication Transmission Network (NTTN) licensing, only about 25–30% of network sites are connected to fiber, leaving the country low on the global Fiber Development Index.

Expansion Goals

To meet growing national communication needs, Bangladesh plans to increase its fiber optic network to 500,000 kilometres, emphasizing underground deployment for safety and reliability. This expansion includes merging outdated public and private networks into a unified system, creating a more robust and modern infrastructure.



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Production and Industry Capacity

Bangladesh Cable Shilpa Limited (BCSL), a key domestic manufacturer, produces up to 25,000 km of fiber annually and has a total telecom cable production capacity of 50,000 km per year. The company also manufactures HDPE ducts, overhead conductors, and power cables, and is encouraged to modernize operations, obtain international green certification, and expand into new markets.

Regulatory Developments

The Bangladesh Telecommunication Regulatory Commission (BTRC) recently allowed state-owned entities like PGCB and Bangladesh Railway to expand their optical fiber networks beyond power grids and railway tracks. This policy reversal removes previous restrictions and enables broader connectivity for telecom operators, promoting a more competitive market.

Challenges and Opportunities

Vulnerability: Overhead cables are prone to damage from natural disasters, highlighting the need for underground deployment. Market Potential: The fiber optic sector is considered to have immense growth potential, with opportunities for both domestic and international expansion. Competition and Fair Access: Ensuring equal opportunity for all licensees is critical to avoid monopolistic control and accelerate network development.

Bangladesh's fiber optic expansion is a strategic effort to strengthen digital infrastructure, improve internet connectivity, and support the country's growing demand for high-speed communication across industries and households.

Article Content

Bangladesh Fiber Optic Cables Market (2025-2031) | Industry & Value

The Bangladesh Fiber Optic Cables Market is experiencing steady growth due to increasing demand for high-speed internet connectivity, expansion of telecommunication networks, and government

Fiber Optic Coverage and Internet Usage Statistics in Bangladesh (2026)

What is the current state of fiber optic infrastructure in Bangladesh? As of 2026, fiber optic coverage has reached 65% in urban areas, enabling faster internet and better connectivity.

75% of Bangladesh''s fibre optic network vulnerable to disasters: Faiz ...

"Bangladesh requires at least 500,000 kilometres of fibre optic cable to meet national communication and sectoral needs. To ensure a safer and higher-quality network, connections must

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According to BTRC''s June 2023 Annual Report, Bangladesh has 80,600 km overhead (approx.) and 72,800 km underground fibre optic cable. In other words, 53% of the country''s

DIGITAL ECONOMY WITHOUT ROBUST FIBER OPTIC NETWORK

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Bangladesh Targets 500,000 km of Fibre Optic Cable to Build Safer ...

Bangladesh currently has 150,000 kilometres of fibre optic cable, 75% of which is overhead and highly vulnerable to natural disasters, according to Faiz Ahmad Taiyeb, special

Internet in Bangladesh

In May 2006 Bangladesh inaugurated new submarine cable optic fiber connectivity as part of the 16-country consortium SEA-ME-WE 4 project. The landing station is in Cox''s Bazar, the southern city

Bangladesh Fiber Optic Cable Market (2025-2031) | Growth & Share

6Wresearch actively monitors the Bangladesh Fiber Optic Cable Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and

List Of Fiber Optic Products Suppliers in Bangladesh

Of these locations, 51 Fiber Optic Products Suppliers which is 96.23% of all Fiber Optic Products Suppliers in Bangladesh are single-owner operations, while the remaining 2 which is 3.77%

What fiber optic cable lines are there in Bangladesh

Overview Around 12 government organisations and private companies already laid 54,228 kilometres of fibre optic cables across the country.

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Types of Ethernet Cable

3. Fiber Optic Cable Fiber optic cables use optical fibers which are made of glass cores surrounded by several layers of covering material generally made of PVC or Teflon. It transmits data

HFCL to Invest ₹950 Cr in Optical Fibre Cable Production in Next Two ...

Telecom gear maker HFCL plans to invest ₹950 crore to enhance optical fibre cable production capacity over a period of next two years, a top official of the company said on

8K HDMI Fiber Optic Cable: Best 5 Picks Guide

But with so many HDMI fiber optic cables out there, how do you pick the one that will deliver that stunningly sharp image without any hiccups? Choosing the wrong cable can lead to

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Oil prices are soaring due to Strait of Hormuz blockade. Now the internet is under threat Several fibre-optic cables snake across the seabed of the

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