

Pakistan Extends Fiber Optic Cable ADSS



AI Overview

Pakistan is expanding its fiber optic network using ADSS cables to enhance broadband connectivity and prepare for 5G and IoT deployment. National Fiberization Policy and Expansion Goals Pakistan's Ministry of IT and Telecommunication (MoITT) has announced plans to extend fiber-optic connectivity to 7.5 million households and achieve 80% fiber-to-the-site (FTTS) coverage within the next five years under the National Fiberization Policy. This initiative is part of the Digital Economy Enhancement Project (DEEP), aiming to strengthen fixed broadband infrastructure, increase average download speeds to 60 Mbps, and support emerging technologies like 5G and the Internet of Things (IoT). Currently, Pakistan has over 211,000 kilometers of optical fiber, including 75,967 km of long-haul and 135,506 km of metro fiber, but this is insufficient for growing digital demand. Role of ADSS Cables To support this expansion, Pakistan is deploying ADSS (All Dielectric Self-Supporting) aerial optical fiber cables, which are ideal for high-performance aerial environments such as power transmission and distribution networks. ADSS cables are suspended from poles or towers without requiring metallic support, making them suitable for both telecommunication and power outside plant applications. Their self-supporting design reduces installation complexity and enhances durability in challenging outdoor conditions. Implementation and Funding The government has established a Project Management Unit (PMU) to oversee policy implementation and recruit consultancy firms to finalize the framework. The plan encourages private sector investment, standardizes right-of-way approvals, and promotes infrastructure sharing to accelerate deployment. Additionally, the Universal Service Fund (USF) is rolling out 2,000 km of optical fiber in 2024-25 to connect underserved and rural areas, complementing the broader national expansion. This effort also supports backhaul for existing 3G/4G networks and lays the groundwork for future 5G services. Expect...

Article Content

Pakistan's 2025 National Fiberization Policy: 7.5M

The initiative, part of the Digital Economy Enhancement Project (DEEP), aims to connect 7.5 million households to fibre-optic networks and

Pakistan completes major optical fiber projects to enhance broadband ...

The Universal Service Fund (USF) under the Ministry of Information Technology and Telecommunication has completed several major Optical Fiber Cable (OFC) projects in 2025 as part of its ongoing efforts

USF to Lay 2000km Optical Fiber Cable Across Pakistan

The Universal Service Fund (USF) has informed the National Assembly Standing Committee on Information Technology and Telecommunication that it plans to lay 2,000 kilometers of

Plan to transform optical fiber cable network into global digital ...

At present, Pakistan has nearly 180,000 kilometers of fiber optic cable and 6,000 mobile towers. The ongoing projects aim to increase the installation of optical fiber cables to 300,000

The FOA Reference For Fiber Optics

All fiber optic applications are not the same. At the FOA, we're mainly concerned with communications fiber optics - telco, CATV, LAN, industrial, etc., but fiber optics are also used in medical or

Pakistan's Bold Internet Expansion: New Submarine Cables | Nukta

To further boost fiberization, the Pakistan Telecommunication Authority (PTA) has mandated the rollout of an additional 1,500 kilometers of fiber-optic cable under LDI licensing

Adss Optical Fiber Cable Suppliers & Exporters in Pakistan

TradeFord is a growing Manufacturer Directory and B2B Marketplace connecting Global Adss Optical Fiber Cable Importers, Exporters, Suppliers, Traders and Manufacturers at a reliable,

BRI Factsheet Series - Pakistan-China Optical Fibre Cable Project

The cross border Optical Fibre Cable project provides 3G and 4G services to Pakistan, spanning a total distance of 2,950 kilometers.

Pakistan Sets Ambitious Targets to Expand Fiber-Optic

Pakistan aims to extend fiber-optic connectivity to 7.5 million households and achieve 80 percent fiber-to-the-site (FTTS) coverage within the

Govt Initiates New Policy to Address Low Fiber Density Crisis in Pakistan

With approximately 164,000 km of Optical Fiber Cable (OFC) deployed across the nation, only a fraction of cellular towers, between 9-11%, are connected to Optical Fiber Cable (OFC), and

USF to Roll Out 2,000 km of Optical Fiber Across Pakistan

The Universal Service Fund (USF) has unveiled ambitious plans to install 2,000 kilometers of optical fiber cable (OFC) throughout Pakistan in the fiscal year 2024-25. This announcement was

Pakistan's Optical Fiber Cables Market Report 2026

Pakistan is a notable consumer within the global optical fiber cables market, ranking among the leading countries by consumption volume in 2024. The country's market is heavily import

PTA Announces Major upgrade to Internet Connectivity

The PTA chairman announced that in the next few days, three new submarine cables will be made active. The submarine cables will further

CW Pakistan

Universal Service Fund (USF) has announced plans to lay 2,000 kilometers of optical fiber cable (OFC) in the upcoming fiscal year 2024-25, further strengthening Pakistan's digital

Over 4,000km optical fiber projects completed in three provinces

ISLAMABAD, Jan 15 (APP): The Universal Service Fund (USF) under the Ministry of Information Technology and Telecommunication has completed several major Optical Fiber Cable (OFC)

Pakistan plans laying 200,000 km optical fiber to

ISLAMABAD: Caretaker Federal Minister for Information Technology and Telecommunication Dr Umar Saif has said that Pakistan will enhance

Pakistan to expand fiber connectivity to 7.5m homes in five years

Pakistan plans to dramatically enhance its digital infrastructure by extending fiber-optic connectivity to 7.5 million households and achieving 80 percent fiber-to-the-site (FTTS) coverage within ...

Pakistan Connects to World's Largest Optical Fiber Cable: IT Minister

Pakistan has reached a pivotal moment in its digital transformation by connecting to the world's largest optical fiber cable. This milestone is set to revolutionize the country's internet

Pakistan-China Fiber Optic Project

The Pakistan-China Fiber Optic Project is an 820 kilometer long optical fiber cable connecting Pakistan and China; it was laid down between the Khunjerab Pass on the China-Pakistan border and the

Optical fibre cable initiative

IN a commendable move to boost connectivity and propel Pakistan into the digital age, Caretaker Federal Minister for Information Technology and Telecommunication, Umar Saif, has announced an

Fiber Optic Cable in Pakistan

In Pakistan's fast-growing telecommunications landscape, having a reliable, high-performance fiber optic infrastructure is essential. Ultratech, a leading name in fiber optic cable manufacturing, introduces

Pakistan Targets 7.5 Million Fiber-Connected Homes in Coming Years

Pakistan aims to extend fiber-optic connectivity to 7.5 million households and achieve 80 percent fiber-to-the-site (FTTS) coverage over the next five years, according to the Ministry of IT and ...

USF Unveils plans to lay 2000Km of fiber optic across Pakistan

The Universal Service Fund (USF) has announced plans to deploy 2000 kilometers of optical fiber cable (OFC) in fiscal year 2024-25, targeting rural connectivity and 5G readiness, as

Pakistan's Optical Fiber Penetration at 1%, Far Below Regional

Pakistan's penetration rate of optical fiber stands at merely 1 percent which is far lower than the regional peers such as Vietnam with a penetration rate of 44.5 percent and Malaysia with

Pakistan Launches Five-Year Fiber Optic Expansion Plan to ...

The new policy focuses on three breakthroughs: attracting over \$2 billion in private capital through public-private partnerships; standardizing nationwide right-of-way approvals to reduce...

Contact Us

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