

Kenya Power Fiber Optic Cable Network



Article Overview

Kenya Power is leveraging its electricity infrastructure to deploy 100,000 km of fiber optic cables nationwide, aiming to provide high-speed internet to every household and business by 2026.

Overview of the Network

Kenya Power, in partnership with the Ministry of ICT and other stakeholders, is implementing a nationwide fiber optic expansion as part of the Digital Superhighway initiative. The project targets 100,000 kilometres of fiber optic cables, connecting over 53,000 institutions and establishing 1,450 digital hubs across Kenya to enhance digital inclusion and economic growth . The initiative aims to increase fiber coverage from 62% to 90% by the end of the next financial year .

Implementation Strategy

Instead of traditional trenching methods, the project utilizes Kenya Power's existing transmission and distribution lines to lay fiber optic cables. This approach reduces costs from Ksh 2.3 million per kilometre to Ksh 600,000 per kilometre and accelerates deployment, allowing completion a year earlier than initially planned . The strategy also targets rural and underserved areas, bypassing geographical and infrastructural challenges that typically slow down conventional cable-laying methods .

Partnerships and Collaboration

Kenya Power collaborates with major telecom operators, including Safaricom, throu...

Article Content

Sep 09, 2025

Kenya Power, ICT Ministry partner to deliver affordable fiber optic

The government is set to save Ksh 170 billion through a deal between the Kenya Power Company and the Ministry of

May 23, 2026

Fiber Optic Cabling

Conclusion: Fiber optic cabling is not just a technological innovation; it is a catalyst for socio-economic transformation in Kenya. As

Jun 05, 2026

Government to Connect 100,000 kms Optic Fiber across the Country

The Government has reiterated its commitment to increase and fast-track broadband connectivity across the country,

Aug 19, 2025

Fibre Optic Cable Booklet-Brochure

KPC operates a ninety-six (96No.) core Fibre Optic Cable (FOC) that runs along the oil pipeline. KPC was licensed by the

Dec 06, 2025

Universal Broadband Connectivity (100,000 km Fibre Optic Cable)

Kenya is expanding its national fibre optic backbone by 100,000 km to ensure every community, urban, rural, and remote can access

Jun 23, 2026

List of terrestrial fibre optic cable projects in Africa

This is a list of terrestrial fibre optic cable projects in Africa. While submarine communications cables are used to connect countries

Feb 20, 2026

Kenya's Cost-Effective Fibre Optic Plan: "Saving Sh170bn"

NAIROBI, Kenya- Kenya is on its path to a digital revolution, set to save Sh170 billion thanks to a partnership between

Nov 13, 2025

Broadening Internet Connectivity in Kenya

Kenya's government is set to begin constructing 100,000km of fiber-optic cable as part of a project to broaden internet

Jan 10, 2026

Fiber Optic Installation in Kenya - Future-Proof Your Network Today

If you're still using copper cables, you're missing out on lightning-fast, high-capacity fiber optic networks. At DataWorld Systems, we

Apr 18, 2026

Kenya's Cost-Effective Fibre Optic Plan: "Saving Sh170bn"

By utilizing Kenya Power's transmission lines for the rollout of 100,000 kilometers of fibre optic cables, the government

Apr 14, 2026

Kenya's Internet Infrastructure: How the Country is Becoming a Digital ...

Map global logistics partnership connection for Logistics Import Export background, Global logistics network

Apr 19, 2026

Govt Plans to Use Kenya Power to Save Billions

In the new deal which was announced by Energy Minister Davis Chirchir, Kenya Power is set to undertake the

Mar 20, 2026

Kenya Power International And Safaricom Limited Sign MoU To

Speaking during the signing of the Memorandum of Understanding, the power firm's Managing Director and Chief Executive Officer,

Feb 12, 2026

Huawei's expansive fiber network rollout in Kenya crucial to ...

Huawei's extensive fiber network in Kenya has played a vital role in driving the country's digital transformation and

Dec 13, 2025

ICT Authority outlines sh34.4 billion plan to boost kenya's digital ...

Kenya's fibre network has received a major boost, with the government confirming that Sh34.4 billion has been invested

Aug 31, 2025

Kenya begins local manufacturing of fiber optic cables

Eliud Owalo, cabinet secretary for information, communications and digital economy, said that the initiative is part of

Mar 16, 2026

Kenya Power International And Safaricom Limited Sign MoU To

Kenya Power already owns and operates more than 4,000km in length of fibre optic cable network in Kenya, which it leases to the

Feb 03, 2026

Kenya begins local manufacturing of fiber optic cables

NAIROBI, April 18 (Xinhua) -- Kenya announced on Thursday that it has started local manufacturing of fiber optic cables to expand

Oct 27, 2025

National Optic Fibre Network Backhaul Initiative (NOFBI)

To lay 5,000 Km of Terrestrial Fibre optic, Network Devices Installation, Testing and Commissioning. Maintenance and support as

Oct 05, 2025

Kenya's Optic Fibre Spurs Socio-Economic Growth

Kenya's Optic Fibre Spurs Socio-Economic Growth As part of the National strategy to spur socio-economic growth in

Nov 30, 2025

The 100,000-kilometre fibre goal: Kenya and Ruto race against time

Kenya Power is deploying the cable infrastructure while riding on its electricity network to connect 53,000 public

Oct 24, 2025

Inside Govt ambitious plan to expand internet access via Kenya

The government has set its sights on a bold initiative to provide internet access to 8.4 million homes by 2027,

Dec 23, 2025

Broadening Internet Connectivity in Kenya

Additionally, the fiber-optic cable uses quartz fiber, which is lightweight, resilient and loses 100 million times less

Contact Us

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