

South Sudan Fiber Optic Cable Laying Construction



Summary of Content

Laying fiber optic cables in South Sudan involves careful planning, regulatory compliance, and collaboration with local authorities and companies like Bayobab, alongside standard fiber deployment techniques.

Planning and Regulatory Considerations

Before installation, it is essential to coordinate with South Sudan's Ministry of ICT & Postal Services and the National Communications Authority (NCA), as they oversee fiber optic projects and issue necessary permits. The government has allocated over \$9 million for the design phase of the national fiber optic network, and contracts with specialized companies are being signed to design and deploy the infrastructure. Engaging with these authorities ensures compliance with local regulations and alignment with national digital infrastructure plans.

Route Survey and Design

A detailed route survey is critical. This involves mapping the planned fiber path, considering urban and rural areas, terrain, and existing infrastructure. South Sudan's national fiber project will cover approximately 2,400 kilometers, connecting the country to the Indian Ocean via Kenya. The design phase includes selecting whether cables will be buried underground, installed in ducts, or mounted on poles depending on terrain, security, and cost considerations.

Installation Methods



Article Content

South Sudan to Begin Fibre Optic Construction in December

(LUSAKA) – South Sudan will begin the construction and installation of its national fibre optic cable in December,

CONSTRUCTIONS OF COUNTRY'S FIBER OPTIC CABLE BEGINS

Ateny reaffirmed South Sudan's commitment to expanding reliable and affordable broadband infrastructure,

South Sudan to begin fibre optic network construction in December,

South Sudan will begin laying a 2,400-kilometre fibre optic cable in December, connecting the landlocked nation to the

CONSTRUCTIONS OF COUNTRY'S FIBER OPTIC CABLE BEGINS

Oct 08, 2025 (LUSAKA) – South Sudan is set to begin constructions and laying down its 2400 kilometers of Fiber Optics cable

South Sudan, World Bank to launch fiber optic project in early 2026

The Government of South Sudan, in collaboration with the World Bank, will begin laying a fiber optic cable from Kenya

South Sudan to commence construction of Fiber-optic cable

South Sudan is set to commence construction of a 2,400-kilometer Fiber optic cable in December, marking a

South Sudan to build 2,400km fibre cable to boost digital connectivity

The South Sudanese Ministry of Information, Communication Technology and Postal Services, working alongside the

South Sudan to Start Fibre Optic Network in December

South Sudan will begin laying a 2,400-kilometre fibre optic cable in December, connecting the landlocked nation to the

South Sudan Unveils 2,400 Kilometre Fibre Plan to Cut Costs

South Sudan has announced a 2,400 kilometre national fibre optic network that would connect the landlocked country

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