

Connecting fiber optic cables in Ghana

Article Overview

Yes, fiber optic cables can be installed in Ghana, with extensive infrastructure already in place and multiple licensed providers offering installation and maintenance services.

Feasibility and Infrastructure

Ghana has a well-established fiber optic network, with a total cable length of approximately 12,984 kilometers and a capacity of 1,797 Gb-lit . The first commercial terrestrial fiber optic cable was built by the Volta River Authority and is now owned by GRIDCO Limited, which provides backbone connectivity for mobile network operators and regional networks . Major cities such as Accra, Tema, Kumasi, and Takoradi have seen significant fiber network expansion, including residential estates and commercial buildings .

Regulatory Framework

The National Communications Authority (NCA) oversees the licensing and regulation of fiber optic networks in Ghana. Licensees can build, own, operate, and maintain nationwide or metropolitan terrestrial fiber networks, including through terrestrial water bodies, with alternative transport facilities like microwave or satellite allowed in difficult terrains . Compliance with NCA regulations ensures that installations meet international standards and operate transparently.

Installation Process...



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