

Fiber optic cable connection to Sierra Leone network



Summary of Content

Sierra Leone offers robust fiber optic connectivity through national backbone operators like Leonecom, Ultra One, and Metro Cable, with international access via the ACE submarine cable.

National Fiber Infrastructure

Sierra Leone's national fiber optic backbone spans approximately 1,630 km, connecting over 85% of districts and many towns and villages, with ring redundancy for resilience . Leonecom manages the backbone as a neutral operator, providing services such as E-LAN, Dark Fiber, Layer 3 Network, Co-location, IP VPN, and Metro services across more than 40 coverage points . The network is designed to allow operators to scale bandwidth and build backbone solutions according to business needs . Ultra One offers a complementary network infrastructure, including a submarine cable landing station, fiber backbone interconnecting major cities, and high-capacity 5G O-RAN access points, supporting ISPs and mobile operators . Metro Cable has expanded fiber-to-the-home (FTTX) services in Freetown, covering over 120 km in the eastern part of the city, connecting thousands of homes and businesses .

International Connectivity

Sierra Leone is connected to the Africa Coast to Europe (ACE) submarine cable, a consortium linking West Africa to Europe. This provides high-speed international bandwidth and low-latency connectivity, enabling branches in Sierra Leone to access global networks efficiently .

Article Content

Overview

Overview About Us Leonecom is responsible for the operations, maintenance and commercialization of the

(National Fibre Backbone Network)

Approx. 1,630 km underground fiber optic network borders with two neighbouring countries (Guinea & Liberia) and covers over 85%

Minister witnesses first fibre optic cable blowing

Minister witnesses first fibre optic cable blowing The first phase of the ongoing installation of fiber optic cable under the

New undersea cable lands in Sierra Leone

An undersea telecommunications cable landed in Sierra Leone on Monday, part of a 17,000-kilometre fiber optic line that aims to

(National Fibre Backbone Network)

Approximately 90% of backbone cable damages are due to vandalism—deliberate acts of destruction, often carried out by individuals

Sierra Leone hosts Ecowas Ministerial Steering Committee summit on ...

The second Steering Committee Meeting on the Amilcar Cabral Submarine Cable project was held yesterday in

Sierra Leone secures US\$30-million to advance fibre optic project

The fibre optic cable is part of the Africa Coast to Europe (ACE) submarine cable landed in 2012 to enable Sierra Leone and other

Metro Cable Africa to Turn Freetown into a Smart City

The company's fiber optic network is capable of providing speeds of up to 55mbps, which is much faster than the

Sierra Leone Communication Power Fiber Optic Cable

Before the fiber optic cable, Sierra Leone's internet service had only been through Revolution in communication President Ernest Bai

Sierra Leone | A Fiber Optic Future

Ish Bull: Communication is moving to a very vibrant stage with the new fiber optic installation. Before the fiber optic

Best Fiber Optic Modules in Sierra Leone | Buy Bulk Fiber Optic

Buy Wholesale Fiber Optic Modules in Sierra Leone From Reputable Suppliers Optical Transceiver Product Specifications/Features

Exploring the Landscape of Open Access Fibre Optic Cable Network

Open access, fibre optic cable, network infrastructure, Sierra Leone, connectivity, telecommunications, prospects, challenges,

Metro Cables

Ultra One delivers one of the most advanced and resilient connectivity infrastructures in Sierra Leone. Our network spans the

Fiber Optic Network Operations & Management

Submarine Landing Station Fiber Optic Cable Operations and Maintenance Round-the-clock, 24/7 network monitoring for seamless

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

Metro Cable Expands Fiber Connectivity to East Freetown

Key features of the second phase FTTX project include enhanced connectivity through the expanded fibre optic

All Internet Providers in Sierra Leone

The Complete list of internet companies in Sierra Leone, Freetown and other regions provides Satellite & VSAT, Business Internet,

Installation of fiber optic cables communication in Sierra Leone

Chinese tech giant Huawei has officially handed over the completed National Fiber Backbone to LeoneCom, marking a major

The Sierra Leone National Broadband Strategy_v5 21

The deployment of submarine fiber cable in Sierra Leone in 2009 led to an increase in Internet penetration which now stands at 46%

Metro Cable Expands Fiber Connectivity to East Freetown

Freetown, SIERRA LEONE - In a press conference held at their Wilkinson Road office on Wednesday, Metro Cable

55 Best Internet Providers in Sierra Leone, Ranking ISPs, and Contacts

INTERNET PROVIDERS IN SIERRA LEONE, Top Ranking ISPs, Fiber Optic Companies, Wireless, Public Hotspots,

Guinea and Sierra Leone to jointly develop fiber optic infrastructure ...

Guinea and Sierra Leone have signed a new agreement to advance regional digital integration by jointly exploiting their fiber optic

Sierra Leone: Why Sierra Leone Should Go Fiber Optic

Fiber optic cables are the medium of choice in telecommunications infrastructure, enabling the transmission of high

Chinese Tech Giant Huawei Boosts Sierra Leone's Digital

The culmination of this project was made possible through a US\$30 million loan agreement from the China EXIM

About US – Ultra One

Ultra One was born from the vision of two pioneering forces—ZoodLabs and Metro Cable—coming together to redefine connectivity

Guinea, Sierra Leone Advance Fiber Optic Interconnection Project

A Sierra Leonean delegation visited Guinea last week to discuss the implementation of a fiber optic interconnection

Fiber Optic Communication in Sierra Leone

Sierra Leone secured its first fibre optic connection to the outside world on Monday with the arrival of the Africa Coast to Europe

Contact Us

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