Sierra Leone Two-Core Power Optical Cable



Overview

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

Key Takeaways

Two-core power optical cables in Sierra Leone are available through local importers and specialized cabling companies, supporting both power and data transmission for telecom and broadband infrastructure. OverviewTwo-core power optical cables combine electrical power conductors with optical fibers, enabling simultaneous transmission of electricity and data. These cables are commonly used in telecommunications, broadband networks, and industrial applications, particularly where remote equipment requires both power and high-speed connectivity.

Suppliers and Importers

Sierra Leone has a number of core cable importers and distributors. According to recent import data, there are 141 core cable importers, with leading suppliers including Odhav Multi Industries SL Limited, UNOPS, and Ibrali Electrical Depo Enterprises, which together account for over 50% of the country's imports of core cables between November 2023 and October 2024 (Odhav Multi Industries alone contributed 19% of shipments). These companies typically import cables from global manufacturers and can provide two-core optical power cables upon request.

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

Local companies such as EH Technology Co Ltd specialize in cabling solutions, optical fiber installation, and integration, offering tailored services for commercial, healthcare, education, and government sectors. They can assist with system design, installation, and compliance with industry standards.

Applications in Sierra Leone

The deployment of two-core power optical cables aligns with Sierra Leone's National Broadband Strategy, which aims to expand ICT infrastructure and digital connectivity across the country. Terrestrial fiber optic networks are critical for extending high-speed internet from submarine cable landing stations to urban and rural areas, supporting economic growth and digital services. Two-core cables are particularly useful for remote telecom towers, broadband backhaul, and smart grid applications, where both power and data transmission are required.

Purchasing and Considerations

When sourcing two-core power optical cables in Sierra Leone, consider: Cable specifications: fiber type (single-mode or multi-mode), conductor gauge, voltage rating, and environmental protection. Supplier reliability: choose importers with a proven track record in delivering high-quality cables. Installation support: companies like EH Technology Co Ltd provide professional installation and integration services.

Regulatory compliance: ensure adherence to standards set by the National Communications Authority (NatCA) and other ICT regulations. By leveraging local importers and specialized cabling companies, organizations in Sierra Leone can access high-quality two-core power optical cables to support broadband expansion, telecom infrastructure, and industrial applications.

Article Content

Metro Cables

Ultra One delivers one of the most advanced and resilient connectivity infrastructures in Sierra Leone. Our network spans the national landscape and connects to global hubs, providing:

Sierra Leone Fibre Optic Cables Market (2025-2031) | Value & Forecast

Export potential enables firms to identify high-growth global markets with greater confidence by combining advanced trade intelligence with a structured quantitative methodology.

The Sierra Leone National Broadband Strategy_v5 21

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

The deployment of submarine fiber cable in Sierra Leone in 2009 led to an increase in Internet penetration which now stands at 46% utilization, as shown in Table 4, with broadband data supplied

Sierra Leone cables tenders

Get access to latest Sierra Leone cables tenders and government contracts. Find business opportunities for Sierra Leone cable tenders, Sierra Leone power cable tenders, Sierra Leone wire

Sierra Leone Active Optical Cable Market (2025-2031) | Size & Trends

6.1.2 Sierra Leone Active Optical Cable Market Revenues & Volume, By InfiniBand, 2021-2031F 6.1.3 Sierra Leone Active Optical Cable Market Revenues & Volume, By Ethernet, 2021-2031F

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 Koroma on Wednesday finally switched on the first submarine

Sierra Leone Custom Data Center Cable Management System Company

Ultra One was born from the vision of two pioneering forces—ZoodLabs and Metro Cable—coming together to redefine connectivity in Sierra Leone. With a focus on collaboration and cost

Sierra Leone gets fibre optic link to Internet | Reuters

FREETOWN, Oct 10 (Reuters) - Sierra Leone secured its first fibre optic connection to the outside world on Monday with the arrival of the Africa Coast to Europe (ACE) submarine cable in the ...

MINISTRY OF COMMUNICATION, TECHNOLOGY AND INNOVATION

Demand Analysis: Analyze current and projected demand for internet bandwidth, data usage, and services in Sierra Leone. Technical Feasibility Study: Evaluate technical requirements, including

About US – Ultra One

Ultra One was born from the vision of two pioneering forces—ZoodLabs and Metro Cable—coming together to redefine connectivity in Sierra Leone. Each brought a distinct strength: ZoodLabs led

New undersea cable lands in Sierra Leone

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

An undersea telecommunications table landed in Sierra Leone on Monday, part of a 17,000-kilometre fiber optic line that aims to connect countries along the west African coast to Europe.

Sierra Leone Fibre Optic Cables Market (2025-2031) | Value & Forecast

6Wresearch actively monitors the Sierra Leone Fibre Optic Cables Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and

(National Fibre Backbone Network)

Leonecom is a technology company working a private partner with the government of Leone to oversee the national fiber optic backbone and ancillary infrastructure.

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 and continents to the Internet, terrestrial fibre optic cables are used to

Overview

Overview About Us Leonecom is responsible for the operations, maintenance and commercialization of the national fiber optic backbone and ancillary

Planning Green Futures

Sierratel has commissioned Huawei Technologies Co Ltd to install 72 kilometres of aerial fibre optic cable through the centre of Freetown and rural districts including a section through the Western

Inside Africa''s Internet Fiber Optic Cable Success Story

Kenya was the first East African country to welcome its first ever fiber optic cable and unveiled a sixth submarine internet cable that promises to offer higher speeds, lower latency, and

Basic Components of a Fiber Optic Cable

This article examines the key components that make up a fiber optic cable including the core, cladding, coating, strengthening fibers and cable jacket.

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

Contact Us

Continue your research online:

Website: https://dolphinspreschool.co.za
Technical inquiry: https://dolphinspreschool.co.za/project-desk.html
African project coordination: Waterfall City, Midrand, Gauteng, South Africa

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved