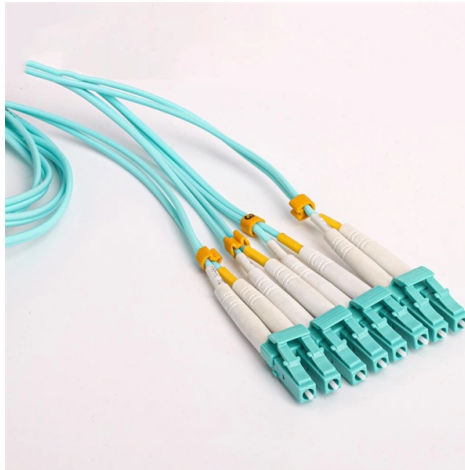


Congo Fiber Optic Cable Splicing Plant



AI Overview

Congo's fiber optic network is supported by advanced splicing and testing facilities operated by Silicone Connect and specialized service providers, ensuring nationwide high-speed connectivity.

Overview of Fiber Optic Infrastructure in Congo

The Republic of Congo has developed a robust fiber optic network as part of its Digital Transformation Acceleration Project, aiming to enhance digital services and regional connectivity. The network extends from Pointe-Noire to Brazzaville and further north, integrating with the Central African Backbone (CAB) to connect Congo with neighboring countries like Gabon and Cameroon. The underwater fiber optic cable linking Brazzaville and Kinshasa was completed in 2022, enabling international connectivity.

Role of Silicone Connect

Silicone Connect, established in 2020 through a public-private partnership, operates and commercializes the national fiber optic network. The company manages network operations, maintenance, and commercialization, providing wholesale fiber services to major telecom operators such as Congo Telecom, MTN, RTL, and Canalbox, as well as key institutions like the National Assembly and SNPC. The network capacity was upgraded from 10 Gbps to 400 Gbps in 2024, ensuring ultra-fast and reliable connectivity.

Fiber Splicing and Technical Operations

Fiber optic splicing in Congo is carried out using fusion splicing technology, which joins optical fibers with minimal signal loss. Companies like AFOSE WORKS Plc and Decko Africa provide comprehensive services including:

- Fiber splicing and termination for FTTH, FTTX, FTTD, and FTTA networks
- Fiber testing and measurement to ensure signal integrity
- Trenching, manhole, and handhole construction for underground deployment
- Emergency restoration and in-service "hot cuts" to maintain network uptime

These facilities are equipped with Fujikura fusion splicers, fiber blowing machines, and testing equipment, optimized for both aerial and underground installations.

Strategic Importance

The splicing plants and technic...

Article Content

Optical Fiber Backbones in DRC: A Strategic Project

Submarine cables, landing stations, and backbones, are essential infrastructure to develop connectivity and guarantee network quality, however, they are

Congolese Fiber Optic Company (Societe Congolaise de Fibre

Learn more about Congolese Fiber Optic Company (Societe Congolaise de Fibre Optique) (SOCOF)'s jobs, projects, latest news, contact information and geographical presence.

Silicone Connect

Silicone Connect's presence in Cape Town highlights the growing role of the Republic of the Congo within Africa's digital landscape. With proven expertise in fiber optic infrastructure management, the

Optical fiber in DRC: De Gaulle Fleurance advised Fiber Access

De Gaulle Fleurance & Associés advised Fiber Access Service Technology Congo (FAST CONGO) in the conclusion of a public-private partnership with the Congolese government and the Société

DR Congo: Second phase of national fiber optic backbone completed

In the Democratic Republic of Congo, the cities of Kinshasa and Kasumbalesa are now connected via the fiber optic. This segment which is the second phase of the national fiber optic

Second stage of the fibre optic national backbone

Project description The second stage of the Congolese national backbone project, connecting Kinshasa and Kasumbalesa is completed. The infrastructure was built by the China International

Construction of fibre-optic cables in the Democratic Republic of Congo ...

The project consists in the construction of 10,000 km of fibre-optic cables as part of a regional backbone in 5 countries, including backbone as well as metro networks. The 5 countries covered by the project

DR Congo: Two Chinese Companies Positioned to Build Fiber Optic

Genew Technologies and Zhongshi Wosen, both Chinese companies, will help the Democratic Republic of Congo (DRC) build its fiber optic network. The Congolese Minister of

SOCOF and APCSC to deploy fibre along new roads in the DRC

In 2022, Paratus Group's DRC subsidiary Fast Congo was awarded a tender by SOCOF to deploy, operate and maintain a 620-km fibre optic link between Muanda on the west coast and the

Economic Impacts of Submarine Fiber Optic Cables and Broadband ...

Economic Impacts of Submarine Fiber Optic Cables and Broadband Connectivity in the DRC HOW DO SUBSEA CABLES GENERATE ECONOMIC IMPACT? Subsea cables are the global backbone of

Connect with Verified Fiber Optical Cable Buyers in Congo | Volza

Access 93 verified Fiber Optical Cable buyers in Congo with contact numbers, shipment history, import pricing, and supplier data—powered by real-time trade intelligence. Updated through Jun 2026. Start

FIBER OPTIC SERVICE YAO Corp Group has been the ...

FIBER OPTIC SERVICE YAO Corp Group has been the concessionaire of the National Fiber Optic Backbone since 2020 in Brazzaville - République of Congo and operates it under its subsidiary

Opérateur d'infrastructures à Fibre Optique | Silicone Connect

Optimisez votre connectivité avec notre réseau panafricain adapté aux exigences des opérateurs télécoms locaux ... Nous disposons de deux réseaux métropolitains MPLS à Brazzaville et à Pointe

Democratic Republic of the Congo's "Fiber Optic Highway" Announces ...

Fast Congo, a subsidiary of network solutions company Paratus Group in the Democratic Republic of Congo (DRC), has announced that its 620km fiber optic network link between Muanda on the west

DRC unveils AfDB-backed 600KM Fibre Optic Cable project

The Democratic Republic of Congo (DRC) has launched a €66.55 million fibre optic cable project, a significant leap towards enhancing its digital infrastructure.

Fiber Optical Cable Suppliers Exporting to Congo

Find Economical Suppliers of Fiber Optical Cable: 168 Manufacturers Exporting to Congo based on Export data till Jun-26: Pricing, Qty, Buyers & Contacts.

Congo Delta III Fiber Installation Plan | PDF | Optical Fiber

The works include laying, blowing, pulling and self-support installation of fiber optic cables of various core counts, splicing, termination and testing, and supply and installation of new manholes of

AGL moves 2Africa fibre optic cables in DRC, Congo

Africa Global Logistics (AGL) was responsible for the logistics of the cables destined to serve the Congo and the DRC, as part of the “2Africa” project, which aims to build the world's largest

Case Study of Fiber Optic Cable Tray Construction in a Data Center in Congo

The diagram above illustrates the critical components of fiber optic cables used in data center applications, highlighting the precise engineering required for optimal performance. We will cover the

FTTx / Fiber Optic Field Engineer (OSP & FTTH)

JOB OFFER – FTTx / Fiber Optic Field Engineer (OSP & FTTH) Location: Kinshasa, DR Congo Company: United S.A. (Internet & Telecom Provider) Contract: Full-time Start date: Immediate

Fibre Solutions

We recently deployed optic fibre of 573 km from Lusaka to Livingstone on behalf of MTN and Airtel. Project pole installation and cabling has been completed and

DR Congo govt partners with two Chinese firms to build national fibre ...

DR Congo govt partners with two Chinese firms to build national fibre-optic cable The Democratic Republic of Congo (DRC) is partnering with two Chinese companies, Genew and

FTTH Specs for Congo (B) Delta III Project | PDF | Fiber To The X ...

Technical specifications cover trenching depth, pole installation, protection, fittings, lightning protection, piping, fiber selection, laying, splicing, termination, and identity labeling.

Paratus and GBS Inc. Activate the 620-km Fibre Optic Network Link in ...

Fast Congo, the subsidiary of the Paratus Group and GBS Inc. have announced the activation of the 620-kilometers fiber optic network link between Muanda and Kishhasa.

Silicone Connect

At the core of its exhibition will be a presentation of its national fiber optic network—a strategic backbone linking southern and northern Congo while providing multiple exit points to neighboring

Contact Us

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