

New type of fiber optic corrugated pipe from Congo



AI Overview

Congo now offers advanced HDPE corrugated pipes with built-in sub-ducts for efficient fiber optic cable deployment.

Product Overview

The new fiber optic corrugated pipes from Congo are high-density polyethylene (HDPE) pipes designed specifically for telecommunications and fiber optic applications. These pipes are corrugated externally for mechanical strength while maintaining a smooth internal bore for efficient cable pulling. They are available in various outer diameters (50 mm to 250 mm) and can include built-in sub-ducts ranging from 20 mm to 60 mm, often with a silicon inner layer that can be smooth or grooved depending on project requirements. Pre-installed pulling ropes are also available to reduce installation time and costs.

Key Features

- Durability and Strength:** Extremely tough and robust, resistant to impact and compression, suitable for underground installation without sand bedding.
- Flexibility:** Can bend to follow ground contours and adapt to underground obstacles, eliminating unnecessary joints.
- Water Resistance:** Prevents external groundwater penetration, reducing the need for additional treatment.
- Scalability:** Supports future network expansion, allowing cable replacement or upgrades without excavation.
- Compliance:** Manufactured according to SABS and ISO standards, ensuring reliable performance.

Applications

These corrugated HDPE pipes are ideal for:

- Fiber optic backbone and metro networks in Congo and Central Africa.
- Telecommunications, electrical distribution, and control cable protection.
- Industrial, mining, and municipal infrastructure projects.

Regional Context

Congo is actively expanding its fiber optic infrastructure through projects like the Central African Backbone (CAB), connecting Congo with neighboring countries and improving digital inclusion. The deployment of these advanced corrugated pipes supports such initia...

Article Content

Congo Fiber Optic: \$1.5bn Line Planned Along the River

Congo fiber optic plans advance: DR Congo signed an MoU with China's Genew for a \$1.5 billion, 2,100 km cable corridor along the Congo River to Kisangani.

DRC plans \$1.5B fiber-optic project along Congo River

The project covers about 2,100km of infrastructure, including 1,700km of fiber-optic cable along the Congo River from Muanda to Kisangani and nearly 400km of terrestrial connections.

DRC unveils AfDB-backed 600KM Fibre Optic Cable

The project includes constructing a state-of-the-art National Data Centre in Brazzaville and laying 600 kilometers of fibre optic cable to

Conduit, Pipe & Duct for Underground Utility & Electrical

Underground ducting for electrical, fiber optic & communications. Fast quotes for electrical pipe & conduit from Chapman Electric.

DRC Plans 2,100 km Fiber-Optic Corridor Along the Congo River

The DRC plans a \$1.5 billion fiber-optic project along the Congo River to expand national connectivity while avoiding many of the logistical and security challenges of building over land The

DR Congo Readies Tender for Nationwide Fiber-Optic Network

The Democratic Republic of Congo is preparing an international tender for the construction and operation of a national fiber-optic network spanning more than 11,500 kilometers, including 1,500

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DRC Plans 2,100 km Fiber-Optic Corridor Along the Congo River

The proposed project covers about 2,100 kilometers of infrastructure, including 1,700 kilometers of fiber-optic cable along the Congo River from Muanda to Kisangani and nearly 400

Fast Congo DRC fiber highway goes live.

The Paratus Group subsidiary in the Democratic Republic of Congo (DRC), Fast Congo, announces that its 620-kilometer fiber optic network link

List of terrestrial fibre optic cable projects in Africa

This list was initially developed as part of AfTerFibre, a project to map terrestrial fibre optic cable projects in Africa. The project was sponsored by Google Africa and, on completion, will be hosted by

Congo corrugated fiber optic cable 1200mm deep

Kamarossi Catalogue Page 28. Fibre optic cable cst Construction Fiber fully comply with: ITU-T Specifications for the relevant fibre type used in these cables. The blown or hauled duct cable is

Congo corrugated fiber optic cable 1200mm deep

AITAF provides end-to-end optical communication solutions, structured cabling, ODN, optical modules, fiber testing instruments, data center networks, base station energy, smart city communications, and

SOCOF and APCSC to deploy fibre along new roads in

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

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

Democratic Republic of Congo: EIB Global proceeds with support for

More than 2.5 million people living in the eastern regions of the Democratic Republic of the Congo (DRC) will benefit from faster, cheaper and more reliable digital connectivity thanks to new

Optical Fiber Backbones in DRC: A Strategic Project

In the Democratic Republic of the Congo, Facebook, supported by the government, is deploying fiber optic backbones. For the country, the implementation of fiber

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This document contains a long list of words beginning with "ab-" or "ac-". It does not appear to be a coherent text, but rather a collection of unrelated terms.

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.

GeoDuct™ HDPE Cable Ducting & Conduit Pipes

GeoDuct™ is a double-walled HDPE (High-Density Polyethylene) corrugated cable ducting and conduit system engineered for the safe, efficient and long-term

Liquid Technologies partners with Facebook to build optical fiber ...

Zimbabwean company Liquid Intelligent Technologies and Facebook announced today they are partnering to build an optical fiber network in the Democratic Republic of Congo. Through this

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GitHub Gist: star and fork AshwinD24's gists by creating an account on GitHub.

COD (Corrugated Optic Duct) (id:751755). Buy Korea

COD Stands for Corrugated Optic Duct, patented by OptiRoad Inc. worldwide and the registered brand of our product, with built-in multiple cable

Fiber optics in the DRC: A strategic partnership for a

Aware of these challenges, the Congolese government has, for several years, multiplied efforts to modernize its telecommunications

90mm/75mm/110mm Flexible HDPE Cod Corrugated

C.O.D Corrugated Optic Duct pipes summarized formerly each kind of fiber optics, advantages in the cable guide foundation, became the new generation high

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

This study explores the economic impact of the international data connectivity delivered by submarine fiber optic cables (“subsea cables”) on the Democratic Republic of Congo (DRC).

Contact Us

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