

National Backbone Optical Cable



Overview

Project BRIDGE is the establishment of a Special Purpose Vehicle (SPV) aimed at deploying at least 90,000 km of Fiber Optic cables as Nigeria's core connectivity Infrastructure and national backbone for universal access to Information and Communication Technology (ICT) across. Project BRIDGE is the establishment of a Special Purpose Vehicle (SPV) aimed at deploying at least 90,000 km of Fiber Optic cables as Nigeria's core connectivity Infrastructure and national backbone for universal access to Information and Communication Technology (ICT) across. Huawei has world-leading technologies in the optical field and extensive experience in constructing carrier backbone networks. Its national all-optical backbone network supports single-fiber 96 Tbit/s (highest in the industry), 6000 km ultra-long-haul transmission without regeneration, and a. Choose an option Alt text (alternative text) helps when people can't see the image or when it doesn't load. Aim for 1-2 sentences that describe the subject, setting, or actions. In the UK there is a huge, national network of dark fibre waiting to connect your offices and data centres to provide a highly secure, rock-solid, ultra high-speed connection so you can do business at the speed. A fiber optic backbone network is the central framework of a network that connects multiple sub-networks, systems, and devices using high-capacity fiber optic cables. It serves as the primary pathway for data transmission, linking critical infrastructure such as servers, switches, and data centers.



Article Content

Dec 18, 2025

National Backbone Network | Network Servitization

State-built information backbone networks deliver socio-economic benefits by greatly enhancing public trust and citizens' well-being. However, state-owned optical fiber

Oct 20, 2025

Internet backbone

Routing of prominent undersea cables that serve as the physical infrastructure of the Internet. The Internet backbone consists of many networks owned by numerous

May 16, 2026

TTCL pushes fibre links below 20pc

DAR ES SALAAM: TTCL Corporation intensifies efforts to link the remaining districts to the National ICT Broadband Backbone (NICTBB), as the

Feb 04, 2026

The Backbone of the Internet: Fiber Optic Networks

Discover how fiber optic networks serve as the backbone of the internet, enabling high-speed data transmission across vast distances. Learn about the technology,

Oct 31, 2025

8 Core Single Mode Fiber Optic Cable for Outdoor Access and Backbone ...

Source 8 core single mode fiber optic cable by cable structure, jacket, tensile strength, attenuation report, and reel length.

Dec 21, 2025

Tanzania focuses on expansion of national fiber networks

In a significant stride towards enhancing the nation's digital economy, the Government has unveiled ambitious plans to accelerate connectivity through

Feb 05, 2026

Project Bridge | The Federal Ministry of

This initiative will complete Nigeria's intended target of 120,000 km of fibre-optic cable roll-out in Nigeria as identified in the Nigeria National Broadband Plan 2020

Mar 18, 2026

Modern Internet Backbone

- Overview The internet backbone is the high-speed, core infrastructure that connects various networks and enables global data transmission. It acts as the

Dec 20, 2025

What is a backbone network?

How does a backbone network work? A backbone network works like a central highway, providing fast, reliable traffic flow to local road networks. It

Mar 31, 2026

Ministry Receives Presidential Approval Towards

The Honourable Minister, Dr. "Bosun Tijani has announced the approval of a Special Purpose Vehicle (SPV) to facilitate the delivery of 90,000km

Jul 18, 2025

Globe FOBN

Globe Telecom's Fiber Optic Backbone Network comprises three parts, i.e. Globe's FOBN and FOBN-2 and Telecphil's National Digital Transmission Network

Jan 16, 2026

National Optical Backbone Network Solution

The national all-optical backbone network solution leverages the high bandwidth, long distance, and high reliability empowered by Huawei's advanced optical

Oct 18, 2025

Extension of National ICT Broadband Backbone

The NICTBB has a total length of 7,910 Km. The aim of NICTBB is to provide connectivity to all neighbouring countries. Now the government is

Jan 22, 2026

PBBM launches National Fiber Backbone Phases 2 and

Under Phases 2 and 3 of the NFB, approximately 1,800 kilometers of new fiber optic cable have been laid out, expanding the high-speed digital

Jan 04, 2026

What Is a Fiber Optic Backbone Network and Why for

Do you know what a fiber optic backbone network is? It may sound like a hard term, but, it is actually quite impressive. Read our blog to find out why.

Dec 11, 2025

National Optical Backbone Network

National Optical Backbone Network Solution This solution helps build a national fiber infrastructure network with high bandwidth, wide coverage, and high reliability.

Aug 15, 2025

Internet backbone - what is it? | Arelion

Internet backbone cables We use our own optical fiber backbone that spans thousands of kilometers across the world. We control, operate, and monitor all

Mar 07, 2026

UK Dark Fibre Map | The UK Dark Fibre Network

In the UK there is a huge, national network of dark fibre waiting to connect your offices and data centres to provide a highly secure, rock-solid, ultra high-speed connection so you can do business at the

Jun 13, 2026

National Backbone Network | Network Servitization

The national backbone network of a country is precisely constructed to facilitate national economic development and citizens' well-being with inclusive connectivity.

Aug 17, 2025

What is Dark Fibre and what are its benefits? | Neos

Dark Fibre is generally available across national backbone and regional backhaul networks, but coverage depends on where there are spare

Sep 16, 2025

What Is a Fiber Optic Backbone Network and Why for

Learn what a fiber optic backbone network is, how it works, and why it's essential for businesses seeking high-speed connectivity and network

Oct 05, 2025

"How 90,000km fibre backbone project will stimulate

"The project will add 90,000km to the existing 35,000km network of fibre optic cable, thereby deepening our digital backbone, ensuring that more

Jul 12, 2025

National Optical Backbone Network Solution

Its national all-optical backbone network supports single-fiber 96 Tbit/s (highest in the industry), 6000 km ultra-long-haul transmission without regeneration, and a single

Nov 14, 2025

National Optical Backbone Network Solution V100R024C10

Based on the "one network, one cloud" model, connectivity has become the catalyst for national digitalization. Leading connectivity means leading digitalization.

Mar 29, 2026

Kenya's Optic Fibre Spurs Socio-Economic Growth

Kenya's Optic Fibre Spurs Socio-Economic Growth As part of the National strategy to spur socio-economic growth in Kenya, through use of

Apr 07, 2026

Extension of National ICT Broadband Backbone

Government of Tanzania constructed a National ICT Broadband Backbone (NICTBB) connecting all Regions in Tanzania and cross boarder connectivity to Zambia,

Feb 23, 2026

Optic Fibre Cable | Ministry of Information,

The Ministry will engage with the Private Sector players to conclude the National Optic Fibre Backbone Infrastructure (NOFBI) which aims to enhance universal

May 01, 2026

Building Backbone Cabling Solution

The 40G/100G optical fiber backbone cabling offers significantly higher bandwidth than traditional 1G/10G networks, supporting more concurrent connections and greater data transfer volumes.

Contact Us

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