

China-Africa optical cable speed



Overview

180 Terabits per Second (Tbps): This capacity is greater than the total of all existing subsea cables serving Africa, meaning that 2Africa will redefine how much bandwidth is available on the continent. The 2Africa project is a collaboration between China Mobile and several international telecom operators, including Meta (formerly Facebook), Vodafone, Orange, Center3 (formerly STC), Bayobab (formerly MTN), WIOCC, and Telecom Egypt. This cross-continental submarine optical cable project covers. It is one of the first submarine cables to use spatial division multiplexing (SDM1) and has a design capacity of 180 Tbps across 16 fiber pairs. In the Mediterranean, shorter distances allow. The launch of 2Africa enables us to offer our customers seamless connection between Africa and Europe, together with our SEA-ME-WE 5 and AAE-1 subsea cable resources to further extend to Asia, which is an important milestone of our global development strategy,” said Jessica Gu, Director & Chief. Though tech giants have invested heavily in high-performance digital infrastructure — more cell towers, faster networks — Africans across the continent still grapple with sluggish internet speeds and expensive data. Tech companies such as Google and Facebook parent Meta are investing in new data. The company Yangtze Optics Africa (YOA) manufactures fiber optical cables and provides residents with high-speed internet access.



Article Content

China-invested fiber cable manufacturer boosts Internet

A Chinese-invested fiber optic cable manufacturing company in South Africa, in partnership with local firms, has become a backbone of the

Fiber-optic leap bridges African digital divide

Anchored in Kenya, the fiber-optic cable will run through Uganda, Rwanda, the Democratic Republic of Congo (DRC), Zambia, Zimbabwe and South Africa, from where it will

The Next Superpower Battlefield Could Be Under the

Submarine fiber-optic cables traversing oceans and connecting the African continent have fast emerged as a geopolitical hotspot for the West.

China-invested fiber cable manufacturer boosts Internet

At full speed, the factory can produce over 4,000 fiber kilometers of cable daily, and much of it is destined for Africa's telecom networks. Notably, it's

2Africa International Submarine Cable Project: Building an Information ...

The project aims to deliver high-speed and stable Internet connections to 33 countries by deploying advanced submarine optical cable technology. As a key partner, China Mobile has

Fiber Optic Cable Market Size, Forecasts Report 2026

Fiber Optic Cable Market Size The fiber optic cable market was valued at USD 14.6 billion in 2025. The market is expected to grow from USD 15.7 billion in 2026 to

Fiber Optic Cables for the Last Mile Market 2025-2030: Industry Sees ...

The Fiber Optic Cables for Last Mile Market grew from USD 5.62 billion in 2024 to USD 6.15 billion in 2025. It is expected to continue growing at a CAGR of 9.85%, reaching USD 9.89

New hollow-core fiber test pushes internet speeds to 1.2Tb/s

China: Researchers transmit a whopping 51.3Tb/s through an optical fiber channel
The test was carried out on the world's longest commercial cross-border hollow-core fiber cable.

US-China rivalry over African influence goes underwater

US takes China rivalry over African influence underwater, with high-speed internet cable spanning continents
US-China tussle reaches critical digital

China plans \$500 million subsea internet cable to rival US-backed ...

SINGAPORE, April 6 (Reuters) - Chinese state-owned telecom firms are developing a \$500 million undersea fiber-optic internet cable network

Africa to be Ringed by 23,000-Mile Subsea Cable – “2Africa” to Triple ...

The “2Africa” cable will land at 16 African nations — with a combined population of over 760 million people — and will have a design capacity of up to 180Tbps at launch on key parts of the

Top 8 Best Optical Audio Cables 2025 – HiFi

Discover the best optical audio cable picks of 2025—from budget-friendly Toslink lines to audiophile-grade digital optical cables. These top rated

From Fiber to 5G: Mapping Africa's Journey Toward

Across Africa, the pursuit of high-speed internet has become a continental mission, one marked by bold investments, strategic partnerships, and

Active Optical Cable Market Size & Trends 2025-2035

Shifts in the Active Optical Cable Market from 2020 to 2024 and Future Trends 2025 to 2035. From 2020 to 2024, the Active Optical Cable (AOC)

2Africa Submarine Cable: How Africa is Building the World's Longest ...

The 2Africa submarine cable is more than just an engineering project—it is a symbol of Africa's rising digital power. By bringing faster, cheaper, and more reliable internet, it will reshape

China's 8,080-mile network delivers 0 data loss for

China's 8,080-mile network delivers lightning speed, 0 data loss, ultra-low delays
This high-tech network will speed up artificial intelligence

2Africa International Submarine Cable Project: Building an Information ...

This cross-continental submarine optical cable project covers Africa, Europe and Asia, with a total length of more than 45,000 kilometers and a total of 46 landing sites. The project aims to

World's longest subsea cable completed: Meta's 2Africa

Meta and its consortium partners have completed the core 2Africa subsea cable system, marking a major milestone in what is set to become the

Home | 2Africa Cable

Through our participation in the groundbreaking 2Africa subsea cable project, we are expanding the continent's capacity for reliable, high-speed connectivity.

Contact Us

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