

High-price on-site purchase of optical cables in West Africa



Summary of Content

Optical fiber cables in West Africa are expensive due to high production, import, and deployment costs, with on-site installation often ranging from \$15,000 to \$30,000 per kilometer.

Cost Drivers

Installation and deployment costs are a major factor in West Africa. Deploying fiber optic cables can cost between \$15,000 and \$30,000 per kilometer, reflecting the challenges of connecting underserved and remote areas . These high costs are compounded by limited competition among service providers, which often results in elevated consumer prices for broadband services . Input costs for fiber optic cables, including silica tetrachloride, helium, and energy, have also increased globally, putting upward pressure on prices in West Africa . Helium, used to cool fragile optical fibers during production, is particularly expensive and contributes to the overall cost of the cable.

Market Prices

The average import price for optical fiber cables in Africa was \$8,418 per ton in 2024, while the export price averaged \$14,094 per ton . Prices have fluctuated over the years due to raw material costs, technological advancements, and global supply-demand dynamics. These figures indicate that purchasing cables on-site in West Africa is likely to be significantly higher than global averages due to shipping, import duties, and local handling costs.

Procurement Opportunities

Article Content

Western Africa's Optical Fibers and Bundles Market Report 2026

Demand for optical fibers and bundles in Western Africa is fundamentally propelled by the urgent need to build robust

Africa Optical Fibre Tenders, Bids and RFP

Latest Africa Optical Fibre Tenders, Government Bids, RFP and other public procurement notices related to Optical Fibre from Africa.

Cable Price List India — August 2026, Updated Weekly

We compute total cost across every brand carrying that spec, mark the lowest, and let you export the comparison as a

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Africa Optical Fibre Cables Tenders and RFPs

Daily, new procurement opportunities for Optical Fibre Cables are uploaded from thousands of sources including all

Western Africa's Optical Fiber Cables Market Report 2026

Trade flows for optical fiber cables in Western Africa reveal a complex pattern of high-value imports and a separate,

Broadband access in West Africa, the impact of deployment cost

The deployment cost of fiber optic cables is a critical barrier to enhancing broadband access in West Africa.

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