

## Article Overview

Rwanda currently focuses on importing and deploying optical fiber cables rather than exporting 4-core figure-eight optical fiber cables.

## Market and Trade Context

Rwanda's optical fiber market is growing, driven by national initiatives to expand broadband connectivity and telecom infrastructure . The country imports most of its optical fiber cables, with top exporters to Rwanda in 2024 including China, the European Union, Poland, Kenya, and France . These imports cover various types of optical fiber cables, including those suitable for rural and urban network distribution.

## Technical Overview of Figure-Eight Optical Fiber Cables

A 4-core figure-eight optical fiber cable is a self-supporting aerial cable designed for outdoor installation. It typically consists of optical fibers housed in a loose tube filled with water-blocking compounds, armored with aramid yarns, and reinforced with a steel messenger wire. The figure-eight polyethylene (PE) sheath allows the cable to be suspended between poles without additional support . These cables are commonly used for connecting branching points to subscriber access points in rural or semi-urban areas.

## Local Deployment

Rwanda has actively expanded its fiber optic infrastructure through projects led by companies like ERTEC Ltd, which installs fiber optic transmission lines across districts such as Gicumbi, Nyagatare, and Kayonza . These deployments often use imported optical fiber cables, including figure-eight designs, to extend connectivity to remote areas and support broadband expansion.

## Export Potential

Currently, Rwanda does not appear among the major exporters of optical fiber cables. The country's focus remains on network deployment and domestic connectivity, leveraging imported cables for national ICT projects . Any future export of 4-core figure-eight optical fiber cables would likely depend on local manufacturing capacity and regional demand. In summary, while Rwanda utilizes 4-core figure-eight optical fiber cables extensively for telecom infrastructure, it primarily imports these cables and does not have a significant export presence in this product category .



## Rwanda exports 4-core figure-eight optical fiber cable

Rwanda imports of Optical fibre cables, made up of individually s was \$3,954.80K and quantity 598,434Kg.

6Wresearch actively monitors the Rwanda Optical Fiber Market and publishes its comprehensive annual report, highlighting

Optical fiber cables are used to transmit large amounts of data over long distances. Two

TENDER NOTICE (TN) TITLE OF TENDER: SUPPLY OF OPTICAL FIBER CABLE AND ACCESSORIES (FIBER CABLES,

exports. The Democratic Republic of Congo was the main destination, with 91.8 percent share of Rwanda's total re-exports

FTTH Scope This led Liquid Telecom to expand on its existing PPC Miniflex®; pushable fiber optic solution and introduce one of the

Buy premium Optical Fiber Cables in bulk from verified wholesale suppliers and manufacturers in Rwanda. Best prices, bulk

Exports to COMESA member states increased by 46.72% in the first quarter of 2026 compared to the same quarter in 2025 and saw

In 2024, Top exporters of Optical fibre cables, made up of individually s to Rwanda were China (\$1,168.50K, 260,471 Kg), European

Imports of goods constitute 71.86% of total trade in goods, while domestic exports constituted 19.94% and re-exports constituted

We will have 3 compressors, two thrust boring machines, a blowing machine, 8 compactors, road cutter and a complete set of fiber

RWANDA: Optimization of the KTRN national fiber backbone and 4G network Under a joint venture between the Government of

We have a full range of fiber optics cables, patch cords, termination boxes, patch panels, transceivers and media converters. To get

Today, Fiber optic systems have many attractive features that are superior to electrical systems, These include improved system



## Rwanda exports 4-core figure-eight optical fiber cable

The Oxin fiber optic cable range includes simplex, suplex and flat ribbon patchcords, tight buffered, single loose tube and multi-loose

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