

Price quote for flame-retardant optical cables for smart buildings in Uganda



Overview

Hdmi Cable 50m 4K Ultra HD HDMI 2.0V Fiber Optic Cable. This type of cable is an Active Optical Cable (AOC) that...

Key Takeaways

Flame-retardant optical cables typically cost 30-40% more than standard optical cables, with global prices ranging from \$1.50 to \$5 per meter depending on specifications and shipping to Uganda. Global Pricing and Cost Factors

Flame-retardant optical cables are more expensive than standard cables due to specialized materials like fluorinated ethylene propylene (FEP) and flame-retardant compounds, as well as complex manufacturing processes, which increase production costs by 30-40% . The global market for these cables was valued at USD 482 million in 2024 and is projected to reach USD 731 million by 2032, reflecting growing demand in data centers and smart buildings .

Supplier Options

Most flame-retardant optical cables are manufactured in China, particularly in Guangdong, Jiangsu, and Zhejiang provinces, which offer cost-efficient production and compliance with international safety standards . Other suppliers exist in Vietnam and the USA, including Prysmian Group and Corning, which are recognized for high-quality fire-resistant cables suitable for critical infrastructure . Alibaba and TradeFord provide access to OEM suppliers who can ship internationally, including to Uganda .

Estimated Price Range for Uganda

- Low-end cables (basic LSZH or riser-rated, 1-12 fibers): approximately \$1.50-\$2.50 per meter, excluding shipping and import duties .
- Mid-range cables (plenum-rated, higher fiber counts, better fire performance): approximately \$3-\$4 per meter .
- High-end cables (brand-name, circuit integrity rated, e.g., Firetuf® or Corning Plenum): \$4-\$5 per meter or more, depending on shipping and local taxes .

Additional costs for Uganda may include import duties, VAT, and logistics, which can add 15-25% to the final price. Bulk orders often reduce per-meter costs, and working with a reliable supplier ensures compliance with IEC, TIA/EIA, and local fire safety standards.

Recommendations

- Identify the required fire rating (LSZH, OFNR, OFNP, or circuit integrity) based on building codes in Uganda.
- Request quotes from multiple suppliers on Alibaba, TradeFord, or directly from manufacturers like Prysmian or Corning.
- Consider shipping and customs: sea freight from China or Vietnam is cost-effective for large orders, while air freight is faster but more expensive.
- Verify compliance with international and local fire safety standards to ensure safety and insurance coverage. By considering these factors, smart building projects in Uganda can procure flame-retardant optical cables at competitive prices while ensuring safety and long-term reliability.

Article Content

Flame-retardant optical cable

Find your flame-retardant optical cable easily amongst the 50 products from the leading brands (Liebherr,

Cable Prices in Uganda by Brand & Quality

Prices are tightly linked to brand reputation and manufacturer sourcing, creating distinct tiers. Buyers must navigate

Fiber Optic Cables in Uganda for sale Prices on Jiji.ug

Hdmi Cable 50m 4K Ultra HD HDMI 2.0V Fiber Optic Cable. This type of cable is an Active Optical Cable (AOC) that...

Uganda Flame Retardant Cable Market (2025-2031) | Trends, Outlook ...

Market Forecast By Type (Low Voltage Cable, Medium Voltage Cable, High Voltage Cable), By Material (PVC, Rubber, Polyolefin,

Draka FireTuf Fire Resistant Fibre Optic Cable

This FireTuf fibre range is fully compliant with fire resistant standards IEC 60331-25 and flame retardant standards IEC 60332-2-3

Manufacturer specializing in flame-retardant optical cables for smart ...

PVProjekt Digital Infrastructure designs and manufactures fiber optic cables, 400G optical transceivers, data center interconnect

Optical data cable

Contact a supplier or the parent company directly to get a quote or to find out a price or your closest point of sale.

Top 5 Fire-Resistant Fiber Cable Mfrs: Brand vs. Factory Direct (2026)

In this guide, we list the Top 5 Global Manufacturers who set the standard for fire safety. We will also clarify the confusing jargon

Draka FT Fire Resistant Fibre Optic Armoured

This FireTuf fibre range is fully compliant with fire resistant standards IEC 60331-25 and flame retardant standards IEC 60332-2-3

Flame Retardant Fiber Optic Cables

Discover premium quality flame retardant fiber optic cable designed to enhance connectivity and performance. Ideal for business

Fibre Optic Cable | Optical Fibre | Eland Cables

View Eland Cables'' range of singlemode and multimode fibre optic cables - loose tube and tight buffered. Technical support, fast

Indoor Fiber Optic Cables | Flame Retardant Indoor Cable Products

These indoor fiber optic cables are used exclusively within buildings and must have a flame-retardant cable jacket to fit this purpose.

Mercury Group Uganda

MERCURY GROUP UGANDA offers efficient, flexible, and customized Fiber optic cabling services in all districts in Uganda,

Industrial Flexibles Cable Manufacturers in Uganda

Our range of Single Core Flexible Cables, feature compact construction, have high safety factors, and superior insulation system.

Flame Retardant Fire Resistant Optical Cable Market 2025-2032

Global Flame Retardant Optical Cable market was valued at USD 482M in 2024 and is projected to reach USD 731M

Optical Fibre Cables Suppliers from Uganda

Find Economical Suppliers of Optical Fibre Cables: 22 Manufacturers in Uganda based on Export data till Dec-25: Pricing, Qty,

Ethernet Cables in Uganda for sale Price on Jiji.ug

Jiji.ug 7+ Ethernet Cables for sale in Uganda From US\$ 25,000 Verified sellers Best tech deals! Shop smart deals!

GYFTA53 Loose Tube Layer Stranded Non-metallic Reinforced

Loose Tube Layer Stranded Non-metallic Reinforced Core Armored Flame-retardant Optical Cable is designed for superior

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Technical inquiry: <https://danialonso.es/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

