

Article Overview

Indoor optical fibre cables in North Africa vary by type, fire rating, and length, with typical prices ranging from \$0.50 to \$3 per meter depending on specifications.

Types of Indoor Optical Cables

Single-mode and multi-mode cables are the most common indoor optical cables. Single-mode cables are ideal for long-distance, high-speed data transmission, while multi-mode cables are suitable for shorter distances such as within buildings or data centers. Fire-rated and LSZH cables are essential for indoor installations. LSZH (Low Smoke Zero Halogen) jackets reduce toxic smoke in case of fire, making them suitable for confined spaces, data centers, and public buildings. Fire-rated cables include OFNR (riser-rated) and OFNP (plenum-rated) for vertical shafts and air-handling spaces, respectively, with European CPR ratings like Cca and B2ca for high-risk environments. Specialized indoor cables include SlimCORE(TM) sub-unitized cables for MPO trunking and high-density ribbon cables for core networks, offering flexibility and high fibre counts.

Typical Pricing

While exact North African prices vary by supplier, cable type, and length, general market ranges are:

- o Standard single-mode indoor cable: \$0.50-\$1.50 per meter
- o Multi-mode indoor cable: \$0.60-\$1.80 per meter
- o LSZH or fire-rated cables: \$1.50-\$3 per meter
- o High-density ribbon or MPO trunk cables: \$2-\$3 per meter Prices may increase for pre-terminated cables with connectors (LC, SC, APC/UPC) or for longer lengths such as 90-150 meters.

Suppliers and Availability

- o ScaleFibre Africa: Offers indoor LSZH, OFNR, OFNP, and SlimCORE(TM) cables suitable for riser and data center applications.
- o Acconet: Provides single-mode and multi-mode uplink cables with LC or SC connectors, available in 90-150 meter lengths.
- o NiaFiber: Supplies FTTH indoor cables with flame-retardant sheaths, suitable for homes and offices, and can provide customized solutions.
- o RS Online and PriceCheck: Offer a variety of fibre optic cables with online pricing for comparison, including pre-terminated and patch cables.

Recommendations

North Africa Indoor Optical Cable Price List

For North African procurement:

- o Confirm local compliance: Ensure cables meet local fire safety and building codes.
 - o Consider LSZH for indoor safety: Especially in public or high-density areas.
 - o Compare suppliers: Prices and availability may vary; contacting local distributors or regional branches of ScaleFibre, Acconet, or NiaFiber is recommended.
 - o Factor in connectors and pre-termination: Pre-terminated cables reduce installation time but increase cost.
- By selecting the appropriate cable type and supplier, North African businesses can balance cost, safety, and performance for indoor optical fibre installations.

This section provides an overview for fiber optic cables as well as their applications and principles. Also, please take a look at the list

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Fiber Optic Cable Price List Cable Types Unit Price USD / MT. SM-9/125 Central tube steel armored external fiber optic cable

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North Africa Indoor Optical Cable Price List

Africa's optical fiber cables market is characterized by concentrated consumption and production, with significant intra

This is a list of terrestrial fibre optic cable projects in Africa. While submarine communications cables are used to connect countries

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