

Price of 1550nm optical fiber cable for data centers in the UAE



AI Overview

In the UAE, 1550nm single-mode optical fiber cables for data centers typically range from AED 5 to AED 50 per meter, depending on quality, capacity, and supplier. Current Market Pricing For standard single-mode fiber optic cables suitable for 1550nm transmission, prices in Dubai and the broader UAE market in 2026 range from AED 5 to AED 30 per meter for typical cables, while high-end, high-capacity cables can exceed AED 50 per meter. These prices reflect cables designed for long-distance, low-attenuation applications, which are ideal for data center backbones and interconnects. Factors Affecting Price Cable Type and Fiber Count: Single-mode fiber (SMF) is required for 1550nm applications and generally costs more than multimode fiber. Higher strand counts increase the per-meter cost proportionally. Quality and Certification: Cables with certifications, durability guarantees, or armored construction for harsh environments command higher prices. Supplier and Bulk Discounts: Local suppliers may offer bulk purchase deals, reducing the per-meter cost. Bundled packages including connectors, patch panels, and installation support can also affect pricing. Installation Considerations: Underground or complex installations increase total project costs, while indoor or aerial runs are less expensive. Global Price Context Global fiber prices have experienced volatility due to supply chain constraints and raw material costs. For example, single-mode fiber prices in China surged in early 2026 but have stabilized recently, reflecting broader market trends that can influence UAE pricing. Practical Advice Bulk Purchasing: For data centers with multiple racks or buildings, buying in bulk can significantly reduce costs and ensure uniform quality. Supplier Comparison: Evaluate multiple UAE distributors to find competitive pricing and warranty coverage. Cable Specification:...

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Fibre optic cable, often simply referred to as "fibre optics" or "optical fibre," is a technology that uses thin strands of glass or plastic to transmit data, including text, sound, and images, in the form of light

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Cost of Fiber Optic Cable: Pricing Guide (2026)

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Fiber Optic Cable Prices in Dubai | 2026 Guide

In this article, we'll break down current fiber optic cable prices in Dubai 2026, explain the benefits of bulk purchases, and compare costs across

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