

Price of energy-saving fiber optic patch cords for cloud computing in Kyrgyzstan



Overview

Boost Connectivity with Reliable fiber optic patch cord prices. Effective and efficient data transmission depends much on fiber optic patch cord prices.

Key Takeaways

Fiber optic patch cords suitable for cloud computing in Kyrgyzstan typically range from \$0.10 to \$1.50 per meter, depending on fiber type, connector, and construction. Pricing Overview

The cost of fiber optic patch cords varies based on several factors:

- **Fiber Type:** Single-mode (OS2) cables are generally used for long-distance, high-speed cloud computing connections, costing around \$0.10–\$0.50 per meter. Multimode fibers (OM3/OM4) for shorter distances in data centers range from \$0.10–\$0.60 per meter .
- **Cable Construction:** Armored or LSZH (Low Smoke Zero Halogen) cables designed for data centers or harsh environments are more expensive, typically \$0.30–\$1.00 per meter .
- **Connector Type:** LC, SC, MPO/MTP connectors influence cost, with MPO/MTP for multi-fiber arrays being more expensive due to precise alignment requirements .



- **Length and Bulk Orders:** Longer cords and bulk purchases reduce the unit cost. For example, a 3-meter LC-LC OS2 patch cord can cost \$5–\$15 per unit, with bulk orders lowering the price per meter .

Energy-Saving Considerations

While fiber optic patch cords themselves do not consume power, high-quality low-loss fibers reduce signal attenuation, which can indirectly lower energy consumption in cloud computing by reducing the need for signal amplification and repeaters .

Choosing OM4 or OS2 fibers with proper connectors ensures efficient data transmission and energy savings in large-scale data centers.

Sourcing in Kyrgyzstan

- **International Suppliers:** Platforms like Alibaba offer factory wholesale options for single-mode and multimode patch cords, which can be shipped to Kyrgyzstan .
 - **Local Distributors:** While specific Kyrgyz suppliers are limited, regional distributors in Central Asia may provide LSZH or armored patch cords suitable for cloud infrastructure. Shipping and import duties should be considered in the final cost.
- | Estimated Cost | Fiber Type | Typical Price (USD/meter) | Notes |
|-----------------|-------------------|---------------------------|---|
| \$0.10 – \$0.50 | Single-mode OS2 | | Long-distance, low-loss, energy-efficient |
| \$0.10 – \$0.60 | Multimode OM3/OM4 | | Short-distance, high-speed data center use |
| \$0.30 – \$1.00 | Armored / LSZH | | Protection in harsh environments, suitable for cloud data centers |

For a 3-meter LC-LC OS2 patch cord, expect \$5–\$15 per unit, with bulk orders reducing the per-unit cost . Selecting high-quality, low-loss fibers with proper connectors ensures both reliable cloud computing performance and indirect energy savings.

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