

Price of Intelligent Large-Core Fiber for Data Centers in Latvia



Overview

Latvia's Optical Fiber Cables Market Report 2026 In 2024, the average export price for optical fiber cables from Latvia stood at \$650,723 per ton, represen.

Key Takeaways

The estimated price of high-performance large-core fiber for data centers in Latvia ranges from €7. 9 to €9. 1 per kilometer, reflecting recent European market surges.

Current Market Context

Latvia imports most of its optical fiber, primarily from Poland, China, and Germany, with import prices significantly lower than export prices. In 2024, the average import price for optical fiber cables in Latvia was \$14,046 per ton, while high-value exports reached \$650,723 per ton, highlighting Latvia's engagement in specialized, technology-intensive fiber segments. European fiber prices have surged due to strong data center demand.

For example, G652. D fiber in Europe reached €7. 94 per kilometer (\$9.

10), and G657. A1 fiber, commonly used in data centers, rose 130% over the past year. Hollow-core or large-core fibers, which reduce latency and improve signal quality for AI and hyperscale data centers, are typically priced higher than standard single-mode fibers due to their advanced manufacturing and performance benefits.



Data Center Considerations Large-core or intelligent fibers are preferred in latency-sensitive environments, such as AI clusters or high-frequency trading, because they reduce signal attenuation and nonlinear optical effects, allowing longer reach and higher throughput. Enterprises often lease dark fiber in Latvia for private networks, with pricing influenced by contract length, route selection, and bandwidth requirements.

Pricing Estimate

Based on European market trends and Latvian import dynamics: Standard high-performance single-mode fiber (G657. A1): €7. 9–€9.

1 per kilometer Hollow-core or intelligent large-core fiber: likely 20–50% higher than standard fiber due to specialized production, putting the estimated cost at €9. 5–€13. 5 per kilometer for data center-grade applications.

For large-scale deployments, leasing dark fiber from providers like LVRTC may offer cost advantages, especially for high-bandwidth 100G–800G connections, as it avoids incremental circuit fees and allows future-proof scaling.

Summary

While exact Latvian retail prices for intelligent large-core fiber are not publicly listed, current European benchmarks suggest €9–€13 per kilometer for data center-grade fiber. Costs are influenced by fiber type, bandwidth requirements, and whether the fiber is purchased outright or leased. Enterprises should also consider long-term TCO benefits of leasing dark fiber for high-capacity networks.

Article Content

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Optical networks | Nokia

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Data Centers in Riga, Latvia

The market supports 10 data centers and 7 primary providers, ensuring a competitive environment for transit and specialized fiber routing. The carrier-neutral nature of the major facilities prevents vendor

Riga | Data Center Market Overview | Cloudscene

The #1 data center market in Latvia, Riga has a connectivity ecosystem made up of 24 colocation data centers, 30 cloud service providers and 24 network fabrics.

Press | Company | Siemens

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