

Price of single-mode logging fiber optic cable in Portugal

Article Overview

Single-mode fiber optic cable in Portugal typically costs between EUR0.10 and EUR1.00 per foot, depending on strand count, construction, and application.

Pricing Overview

Single-mode fiber optic cables are designed for long-distance, high-speed data transmission and are available in various configurations:

- o **Material Costs:** For the cable itself, single-mode fiber ranges from approximately EUR0.10 to EUR0.50 per foot for standard indoor cables, while higher-grade or outdoor-rated cables can reach EUR0.50 to EUR1.00 per foot depending on strand count and protective features .
- o **Strand Count:** A 12-strand single-mode cable costs around EUR0.50 per foot, whereas a 24-strand cable can cost up to EUR1.00 per foot .
- o **Construction:** Indoor riser-rated cables are less expensive than plenum-rated or armored cables designed for harsh environments or direct burial, which can cost EUR0.50 to EUR5 per foot .
- o **Bulk Discounts:** Purchasing in larger quantities from distributors like Farnell Portugal or Mouser Portugal can reduce per-unit costs by 20-40% .

Local Suppliers

- o Farnell Portugal offers a wide range of single-mode fiber cables suitable for telecommunications, data centers, and networking applications, with fast delivery and technical support .
- o Castro Electronica provides online pricing with VAT included, allowing for direct purchase of single-mode fiber cables .
- o Mouser Portugal lists fiber optic cables with detailed specifications and pricing based on quantity, making it easier to compare options for different project sizes .

Additional Considerations

- o **Installation Costs:** Material costs are only part of the total expense. Installation, splicing, and termination labor can add EUR1 to EUR6 per foot, with complex routing potentially increasing costs to EUR7-EUR12 per foot .
- o **Cable Type:** OS1 single-mode cables are typically used indoors, while OS2 loose-tube cables are preferred for outdoor long-distance runs up to 200 km .
- o **Project Planning:** For large-scale deployments, consider bulk purchasing and consulting multiple suppliers to optimize cost and ensure compatibility with network requirements . In summary, for a standard single-mode

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fiber optic cable in Portugal, expect material costs of EUR0.10-EUR1.00 per foot, with higher prices for outdoor, armored, or high-strand-count cables, and additional installation costs depending on project complexity.

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Buyers typically see a wide range in fiber cost per foot depending on cable type, installation method, and terrain. The

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Portugal's import

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