

Price of Single-Core Optical Cable Splice Box for Field Operations in Burkina Faso



Overview

A fiber optic splicing box protects spliced fibers from environmental damage, ensuring signal integrity.

Key Takeaways

A single-core optical cable splice box for field use typically costs between \$20 and \$80, depending on brand, features, and shipping.

Single-core fiber optic splice boxes, also known as fiber splice enclosures, are designed to protect and manage spliced fiber cables in outdoor or field environments. They provide secure storage for splice protection devices, allow clear cable routing, and ensure environmental protection against dust, moisture, and mechanical stress. These boxes are essential for field operations where fiber connections need to remain stable and accessible.

Price Range

- Basic single-core splice boxes: \$20–\$40 per unit for standard outdoor-rated enclosures suitable for one fiber core.
- Enhanced or pre-assembled models: \$50–\$80 per unit, often including splice cassettes, removable front panels, and compatibility with multiple connector types (LC, SC, ST, E2000®), .

- Factors affecting cost: material quality (plastic vs. metal), IP rating for weatherproofing, pre-assembled vs. DIY assembly, and additional accessories like mounting brackets or pigtails .

Considerations for Burkina Faso

- Shipping and import duties: Costs may increase due to international shipping from suppliers in Europe or Asia.

- Local availability: Limited local distributors may require ordering from international suppliers such as EFB-Elektronik, Phoenix Contact, or LAPP .

- Field suitability: Ensure the splice box is rated for outdoor use, UV-resistant, and capable of withstanding temperature variations common in Burkina Faso.

Recommendations

- For budget-conscious projects, a basic single-core splice box (\$20-\$40) is sufficient for standard field splicing.

- For mission-critical or high-reliability deployments, consider pre-assembled boxes with integrated splice cassettes and higher IP ratings (\$50-\$80).

- Always confirm compatibility with your fiber type (single-mode OS2 or bend-insensitive fiber) and connector requirements before purchase . By considering these factors, you can select a splice box that balances cost, durability, and ease of field deployment in Burkina Faso.

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