

Price range of Peruvian box-type optical splitters

Article Overview

Box-type PLC optical splitters typically range from \$10 to \$150 per unit depending on split ratio, port count, and quality.

Overview

Box-type optical splitters, often referred to as ABS box splitters, are widely used in FTTx and PON networks to distribute optical signals from a single input to multiple outputs. They are encased in durable plastic boxes for protection and are suitable for outdoor cabinets or rack-mounted installations. The most common split ratios include 1x2, 1x4, 1x8, 1x16, 1x32, and 1x64, with higher port counts generally commanding higher prices.

Price Factors

o Split Ratio and Port Count:

o Low-port splitters (1x2, 1x4) are typically priced around \$10-\$30 per unit.

o Mid-range splitters (1x8, 1x16) usually cost \$30-\$80.

o High-port splitters (1x32, 1x64) can range from \$80-\$150 due to increased complexity and higher-quality PLC chips.

o Quality and Specifications:

o Low insertion loss (≤ 18 dB), low polarization-dependent loss (≤ 0.3 dB), and broad wavelength operation (1260-1650 nm) increase the price.

o Splitters with premium low-PDL and wide-wavelength-range specifications may have a 30-50% price premium over standard telecom-grade components.

o Supplier and Origin:

o Most optical splitters are manufactured in China, which dominates global production. Importing to Peru may add shipping and customs costs, slightly increasing the final price.

o Local distributors in Peru may offer competitive pricing but typically align with global market trends.

Practical Considerations

o For small-scale deployments or home networks, 1x2 or 1x4 ABS box splitters are cost-effective.

o For large-scale PON networks, 1x16 or 1x32 splitters are preferred for efficiency, despite higher unit costs.

o Always check for Telcordia GR-1209/GR-1221 compliance and warranty coverage when purchasing to ensure reliability in network operations. In summary, while exact Peruvian market prices may vary, ABS box PLC splitters generally range from \$10 for small splitters to \$150 for high-port-count, premium-quality units,

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with pricing influenced by split ratio, technical specifications, and import factors.

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The optical splitter can be terminated with different forms of connectors, and the primary package could be a box type

This post provides a introduction to fiber optic splitters, their types, functions, and several popular Gcabling optical

This report provides an in-depth analysis of the Optical Fiber Splitters market in Asia-Pacific, covering market size,

This guide covers what optical fiber splitters are, the main types of optical fiber splitters you should know about, how

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Price erosion of 4-7% per year is expected for commodity-grade splitters (1×8, 1×16) due to global oversupply, while

What's an optical splitter? How does the fiber optic splitter work? How many fiber splitter types? How to choose the

explains how optical splitters enable FTTH, their types (FBT vs. PLC), key ratios, and how they integrate with

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