

Price of 36-core fiber optic cable for smart buildings in Slovenia

Article Overview

The estimated price for a 36-core single-mode fiber optic cable ranges from approximately \$0.50 to \$1.50 per meter, depending on construction, environmental rating, and supplier.

Pricing Overview

A 36-core single-mode fiber optic cable is designed for high-capacity, long-distance data transmission, making it suitable for smart building backbones and enterprise networks . The cost per meter typically falls between \$0.50 and \$1.50, influenced by factors such as:

- o Cable construction: Loose tube, tight-buffered, armored, or non-armored cables affect material costs . Armored cables for harsh environments can add 20-50% to the base price.
- o Environmental rating: Indoor cables (PVC or LSZH jackets) are cheaper, while outdoor, UV-resistant, or direct-burial cables cost more .
- o Fiber type: Single-mode fiber (OS2) is generally slightly less expensive than multimode fiber for long-distance applications .
- o Bulk purchasing: Buying in larger quantities can reduce per-meter costs by 20-40% compared to retail orders .

Local Suppliers in Slovenia

Slovenia has a network of fiber optic cable importers and distributors, including EGAL D O O, ZIKAS DOO KASAZE, and ZIKAS DOO, which account for a significant share of the country's imports . These suppliers can provide both indoor and outdoor 36-core cables, often with flame-retardant, halogen-free, and armored options suitable for smart building installations.

Practical Considerations

- o Installation type: Indoor riser-rated cables are sufficient for most smart building applications, while plenum-rated or armored cables are recommended for high-traffic or harsh environments .
 - o Connectorization: Pre-terminated or factory-assembled cables increase cost but reduce installation time and labor.
 - o Lead time: Custom specifications or specialized environmental ratings may increase delivery time and price.
- In summary, for a 36-core single-mode fiber optic cable in Slovenia, expect a material cost of roughly \$0.50-\$1.50 per meter, with final pricing influenced by cable type, environmental rating, and supplier. For precise quotes, contacting local importers like EGAL D O O or ZIKAS DOO KASAZE is recommended .

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