

Installation price of cable tray support for electric wells



AI Overview

Cable tray support installation typically accounts for 20–30% of the total cable tray system cost, with prices varying by material, tray type, and support spacing.

Cost Breakdown

The total cost of installing cable tray supports depends on several factors:

- Material of the tray: Steel trays cost approximately \$5–\$25 per meter, aluminum \$6–\$30 per meter, FRP \$10–\$50 per meter, and stainless steel is the most expensive due to durability and corrosion resistance .
- Support components: Brackets, hangers, and other supports generally make up 20–30% of the total installation cost .
- Labor: Installation labor is typically lower than conduit systems, often reducing total labor costs by up to 50% due to the ease of laying open trays .

Calculating Support Quantity

Support quantity is determined by the length of the cable tray and the spacing between supports. Standard spacing ranges from 1.5 to 3 meters depending on tray type and load . The formula is: $\text{Support Quantity} = \text{Total Tray Length} \div \text{Support Spacing} + 1$ For example, a 20-meter tray with 2-meter spacing requires 11 supports

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