

Price of horizontal cable trays converted to vertical cable trays



Overview

Eaton offers a wide variety of solutions for horizontal and vertical cable runs between racks and enclosures.

Key Takeaways

The cost of converting horizontal cable trays to vertical cable trays typically ranges from \$10 to \$50 per meter, depending on material, tray type, and installation complexity.

The cost depends heavily on the tray material and type:

- Steel ladder trays: \$5–\$25 per meter, commonly used for general installations .
- Aluminum trays: \$6–\$30 per meter, lightweight and corrosion-resistant, ideal for humid or industrial environments .
- FRP (fiberglass) trays: \$10–\$50 per meter, suitable for aggressive environments requiring high durability .
- Stainless steel trays: Most durable and corrosion-resistant, used in critical or harsh environments, generally at the higher end of the price range . Vertical conversion requires vertical bends, couplers, and support brackets, which are sold per piece. Prices for these fittings vary but are generally \$10–\$50 per unit, depending on size and material .

Labor and Installation Costs

Converting horizontal trays to vertical trays involves:

- Installing vertical bends to change direction
 - Adding supports and brackets to maintain structural integrity
 - Ensuring proper alignment and cable support
- Labor costs are influenced by the complexity of the installation and the height of vertical runs. On average, installation labor can add \$15-\$40 per meter for vertical sections, slightly higher than horizontal runs due to additional handling and safety requirements .

Total Estimated Cost

For a typical conversion:

- Material: \$10-\$50 per meter (tray + fittings)
- Labor: \$15-\$40 per meter
- Total: Approximately \$25-\$90 per meter for converting horizontal trays to vertical trays, depending on material choice, tray type, and installation complexity .

Cost-Saving Tips

- Use modular, pre-fabricated vertical bends to reduce labor time .
- Bulk purchase of trays and fittings can lower unit costs .
- Consider aluminum or steel trays for easier handling and faster installation, reducing labor expenses . By accounting for both material and labor, this estimate provides a practical budget range for planning the conversion of horizontal cable trays to vertical configurations.

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Cable Ladder Trays (Welded and Swaged)

Cable Trays and Accessories are designed to meet most requirements of cable and electrical wire installations and comply to local

Premium Line Vertical Cable Management System, Height 14U, with

Mounting vertically on 2-post and 4-post open frame rack Individual 2-finger cable guide can be removed (without using tool) to

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Fiberglass Reinforced Plastic (FRP) Cable Tray SFSP FRP Cable management System is manufactured under the brand name

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Cable ladder trays install as systems, with straight sections, fittings, and accessories connecting to form a pathway. Straight Section

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