

Price of Outdoor Supported Cable Trays

Article Overview

Standard outdoor cable trays typically range from \$15 to \$100 per meter, depending on material, type, and load capacity.

Price Ranges by Material and Type

- o Hot-dip galvanized steel trays: Usually the most cost-effective option for outdoor use, with prices starting around \$15-\$30 per meter for standard ladder or perforated trays .
- o Aluminum trays: Lightweight and corrosion-resistant, priced approximately \$25-\$50 per meter, offering easier handling and installation .
- o Fiberglass reinforced plastic (FRP) trays: Non-conductive and highly durable, ideal for sensitive or corrosive environments, typically \$40-\$100 per meter .
- o Stainless steel trays: Premium option for extreme environments, often exceeding \$80-\$100 per meter, with excellent corrosion resistance and long-term durability .

Factors Affecting Cost

- o Tray Type: Ladder, ventilated, or solid-bottom designs influence price. Ladder trays are common for heavy power cables, while solid-bottom trays are used for sensitive or small-diameter cables .
- o Size and Load Capacity: Standard widths range from 100 mm to 400 mm, and heights from 30 mm to 110 mm. Larger or higher-capacity trays cost more .
- o UV and Weather Resistance: Outdoor trays must withstand sun, rain, snow, and temperature extremes. UV-resistant PVC or coated metal trays may add to the cost .
- o Accessories and Fittings: Connectors, bends, tees, reducers, brackets, and end caps are additional costs but are essential for complete installations .
- o Installation Complexity: Labor costs vary depending on tray length, number of direction changes, and mounting requirements. Aluminum and FRP trays are lighter, reducing installation costs .

Summary

For a standard outdoor cable tray installation, expect \$15-\$50 per meter for common steel or aluminum trays, with FRP or stainless steel options costing more. Additional costs for fittings, UV protection, and installation should be factored into the total project budget. Choosing the right material and type depends on environmental conditions, cable type, and long-term maintenance considerations .

Heavy Duty Cable Tray Systems Heavy duty cable trays and cable ladders are manufactured from pre-galvanized or hot-dipped



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The total load supported by the cable tray, uniformly distributed. This will be the combined weight of all of the cables or tray contents,

SFSP cable trays and accessories from SFSP are manufactured from steel sheets in accordance with BS EN 10130/BS EN 10131/

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