

Price of cable trays with expansion joints



Overview

Choose from our selection of cable trays, including over 850 products in a wide range of styles and sizes. Same and Next Day Delivery.

Key Takeaways

Cable tray expansion joints typically range from \$50 to \$300 per unit, depending on material, size, and manufacturer.

Cable tray expansion joints are essential for accommodating thermal expansion and contraction in long cable tray runs, preventing deformation or damage to cables and maintaining system safety and stability (cable trays can be made of steel, aluminum, or fiberglass) (Cable Tray Expansion Joint Kit - Galvanized Steel with Grounding Jumper) .

Price Range

- Galvanized Steel Expansion Joints: Generally \$50-\$150 per unit, suitable for industrial and commercial installations with moderate temperature variations (Alibaba, Made-in-China) .
- Aluminum Alloy or FRP Joints: Typically \$100-\$300 per unit, offering corrosion resistance and lighter weight for specialized applications (JLH Cable Tray Fitting Accessories) .



- Expansion Splice Kits for Wire Mesh Trays: Smaller kits for wire mesh cable trays can cost around \$60–\$120 per kit, depending on the brand and included components (Legrand) .

Factors Affecting Price

- Material: Galvanized steel is cheaper than aluminum or fiberglass-reinforced plastic.
- Size and Load Capacity: Larger joints for wider trays or higher cable loads cost more.
- Additional Features: Grounding jumpers, corrosion-resistant coatings, or compliance with international standards (IEC 61537, NEMA VE-2) can increase cost.
- Quantity and Supplier: Bulk orders from manufacturers like JLH or Alibaba suppliers may reduce per-unit cost.

Recommendations

- For industrial or outdoor installations, galvanized steel joints with grounding jumpers are cost-effective and reliable.
- For corrosive or high-temperature environments, consider aluminum or FRP joints despite higher cost.
- Always verify compatibility with your cable tray system and check for certifications to ensure safety and compliance. By considering these factors, you can select the appropriate expansion joint while managing project costs effectively.

Article Content

Cable Trays | McMaster-Carr

Choose from our selection of cable trays, including over 850 products in a wide range of styles and sizes. Same and Next Day Delivery.

Thermal Contraction and Expansion of Cable Tray

For a 100° F differential (winter to summer), a steel cable tray will require an expansion joint every 128 feet and an aluminum cable

Cable Tray & Accessories

WBT Performance Cable Tray, Shaped 4"X8"X118", Pregalvanized. Provides optimal support for high-performance data cable, up to

Managing Thermal Expansion and Contraction in Cable Tray Systems

Learn how to manage thermal expansion and contraction in cable tray systems with expert tips on expansion joints,

Cable Tray And Fittings | Graybar Store

These fittings help in maintaining support of the cable tray system. Shop Graybar's collection of cable tray and fittings to find exactly

CABLE TRAY

SFSP produces a variety of products ranging from cable management systems; cable trays, cable ladders, basket trays, trunkings

CABLE MANAGEMENT SYSTEMS CABLE TRAYS

Fiberglass Reinforced Plastic (FRP) Cable Tray / Ladder SFSP Fiberglass Reinforced Plastic (FRP) Cable Management Systems

Earthing, Jointing & Enclosures

Ensure electrical safety and system longevity with Cablecraft's comprehensive range of cable jointing and earthing solutions.

392.44 Expansion Splice Plates.

According to the document, there are four basic types of cable tray connectors including rigid, expansion, adjustable, and reducer. In

Cable Tray Fittings & Accessories

Barrier Strip Clamp 3 Ladder, Perforated Rung, Horizontal 3 Stand-Off 3 Standard Bolting Kit 3 Bracket Clamp 2 Couplers 2 Flat 2

Cable Tray Thermal Expansion Guidelines | PDF

Cable Tray Thermal Expansion Guidelines 1) Cable trays need expansion joints to allow for thermal contraction and expansion due

Expansion Splice Kit

Cablofil's Wiremesh Cable Tray concept is based on performance, safety, and economy. These three qualities make

GUIDE CABLE TRAYS TECHNICAL

In accordance with its continuous improvement policy, Legrand reserves the right to change the specifications and illustrations

CABLE Ladder Tray

Electrical bonding straps are required where Cable Trays are joined by connectors which allow movement, such as: vertical

PRODUCT SHEET T&B Cable Tray Super-Duty Splice Plate

The ultra-robust Super-Duty Splice Plate allows cost-efficient expansion by reducing the need for structural supports. It can also be

392.44 Expansion Splice Plates.

A bonding jumper is required where cable tray systems are mechanically discontinuous. Code Change Summary: New code section

Aluminum Cable Tray Accessories

Expansion Splice Plates • Expansion plates allow for one inch expansion or contraction of the cable tray, or where expansion joints

Cable Ladder Trays

When it comes to Cable Ladder Trays, you can count on Grainger. Supplies and solutions for every industry, plus easy ordering, fast

Contact Us

Continue your research online:

Website: <https://thegalleryselfcatering.co.za>

Technical inquiry: <https://thegalleryselfcatering.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

