

How much is 1 meter of exposed cable outside the cable tray



Overview

Tray Cable Wire & Cable Your Way offers a wide selection of Tray Cable at low prices with fast shipping – available by the foot with no cut Cable Tray Pric.

Key Takeaways

The cost of 1 meter of TC-ER (Tray Cable, Exposed Run) cable typically ranges from \$3 to \$15 per meter, depending on conductor size, insulation type, and environmental ratings.

TC-ER cables are designed for direct installation outside cable trays without additional conduit, making them suitable for exposed runs in industrial and commercial settings. They are impact- and crush-resistant, UV- and moisture-resistant, and comply with NEC Article 336 and UL 1277 standards. These cables are available in single or multi-conductor configurations, with various insulation types such as PVC, nylon, or flame-retardant jackets.

Factors Affecting Cost

- **Conductor Size and Number of Conductors:** Larger gauge cables (e.g., 6 AWG vs. 10 AWG) and multi-conductor cables cost more due to increased copper content.
- **Insulation and Jacket Material:** Flame-retardant, UV-resistant, or moisture-resistant jackets increase the price compared to standard PVC.
- **Voltage Rating:** Standard TC-ER cables are rated for 600V, but higher voltage or specialized industrial ratings may increase cost.

- Shielding: Unshielded cables are cheaper, while double-shielded cables for EMI protection are more expensive .

- Customization and Supplier: Custom lengths, color coding, or special conductor types can affect pricing. Bulk orders may reduce per-meter cost .

Typical Price Range

- Small control or lighting cables (10-14 AWG, 2-3 conductors): \$3-\$6 per meter

- Medium industrial cables (6-8 AWG, 3-5 conductors): \$6-\$10 per meter

- Large multi-conductor or shielded cables: \$10-\$15 per meter These prices are approximate and can vary depending on supplier, location, and market conditions. Installation outside a cable tray may reduce labor costs compared to conduit runs, but outdoor exposure may require UV-resistant jackets or additional supports every six feet to prevent sagging .

Summary

For a standard exposed TC-ER cable outside a cable tray, expect to pay roughly \$3-\$15 per meter, with the exact cost influenced by conductor size, insulation, shielding, and environmental requirements. For precise pricing, it is recommended to request a custom quote from suppliers such as McMaster-Carr, OmniCable, or Honest Cable .

Article Content

Tray Cable

Wire & Cable Your Way offers a wide selection of Tray Cable at low prices with fast shipping – available by the foot with no cut

Tray Cable | McMaster-Carr

Made to TC-ER (Tray Cable, Exposed Run) standards, this crush- and impact-resistant cable eliminates the cost and hassle of

Tray Cable | Tray Cable Inventory for Industrial Use

Browse OmniCable's extensive tray cable inventory, including 600V tray cables for power and control in wet, dry, and hazardous

Tray Cable Applications & Selection Guide | TC, TC-ER, VNTC, EPR

Type TC-ER (Tray Cable – Exposed Run) meets all the requirements of standard TC plus additional crush and impact resistance

Lapp Tray Calculator

Support Systems: Overhead Tray for Tray II & VNTC is \$10/ft. Conduit System for THHN is \$1.03/ft (2" conduit) 2. Cable Pick List. 3.

Cable Tray Technical Guide A practical guide to product selection

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a

TECHNICAL AND SIZING DATA

The construction and outside diameter of the smallest cable will usually determine either the rung spacing or the type of construction

Exposed Run Tray Cable: Features, Uses, and Benefits Explained

What is Exposed Run Tray Cable? Contractors often have many tray cable options available when performing a job but knowing

WIRE WISDOMTM

Tray cable types TC, ITC and PLTC are permitted in cable trays by the NEC. However, if more than 1.8 meters (6 feet) of cable is

A Comprehensive Guide to Tray Cable

If more than 6 feet (1.8 meters) of the cable is outside of the tray for connection to an electrical device the cable must

TG78-TC-ER-Tray-Cable-Rating

Tray cable types TC, ITC and PLTC are permitted in cable trays by the NEC. However, if more than 1.8 meters (6 ft) of cable extends

CABLE TRAY SYSTEMS GUIDE

Steel Ladder System Hubbell's NEXTFRAME® Ladder Tray is the effective and widely used cable runway that supports and delivers

Cable Tray Size Calculation for Project Engineers

Cable tray size calculation is important for ensuring safe cable installation, proper heat dissipation, and enough spare

Best Practice Guide to Cable Ladder and Cable Tray Systems

Introduction This publication is intended as a practical guide for the proper and safe* installation of cable ladder systems, cable tray

Cable Tray Size and Weight Chart

It lists the cable types, sizes, and quantities for each area. It then calculates the total cable outside diameter, weight per meter, and

The FOA Reference For Fiber Optics

When pulling long lengths of cable in conduit or innerduct (up to approximately 3 miles or 5 kilometers in the outside plant, hundreds

Exposed Run Tray Cables

However, if more than 1.8 meters (6 feet) of cable is brought out of the tray for a connection to a motor or other electrical device,

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

