

What type of cable is used for galvanized cable trays



Article Overview

Tray Cable (TC) and Instrumentation Tray Cable (ITC) are the most suitable types for galvanized cable trays, offering UL listing, mechanical protection, and compliance with NEC standards.

Recommended Cable Types

1. Type TC (Tray Cable)

- Designed for power and control circuits in industrial environments.
 - Factory-assembled with two or more insulated conductors, optionally including grounding conductors under a non-metallic jacket.
 - Rated for 600 volts and suitable for indoor, outdoor, and industrial applications.
 - TC-ER (Exposure Rated) cables can leave the tray for short distances (up to six feet) if properly supported.
 - UL-listed and compliant with NEC Article 336, ensuring safety and reliability in cable tray installations .
- #### 2. Type ITC (Instrumentation Tray Cable)
- Used for instrumentation and control circuits, available in shielded or unshielded constructions.
 - Voltage rating of 300 volts, with conductor sizes from 22 AWG to 12 AWG.
 - Suitable for Class 2 and Class 3 circuits, non-plenum and non-riser applications.
 - Can include twisted pairs and optional metal armor for additional protection .

Key Considerations for Galvanized Trays...

Article Content

Oct 10, 2025

Ultimate Guide To Choosing Right Galvanized Cable Tray

1.5 Durability and Corrosion Resistance The galvanized coating protects the underlying steel from

Apr 13, 2026

The Professional Buyer's Guide to Selecting Galvanized

The choice of the galvanized tray will make or break the project. The inspector of the site

Apr 28, 2026

CABLE TRAY SYSTEMS GUIDE

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

Nov 13, 2025

A Technical Guide to Tray Cable

At IEWC, we carry three main categories of tray-rated cables: SDT, Power Limited Tray Cable, and 600V Tray Cable. PLTC Cable

Sep 02, 2025

The Ultimate Guide to Tray Cables: Types, Applications and

Tray cables (TC) are multi-conductor cables designed and rated for installation in cable trays and raceways or

Jan 02, 2026

Cable tray

Galvanized tray may be made of pre-galvanized steel sheet fabricated into tray, or may be hot-dip galvanized after fabrication. When

Sep 06, 2025

Tray-Rated Cable 101

Type TC (Tray Cable) tray-rated cables will be the most common type you will see on the market. These are rated to 600V, and there

Jun 20, 2026

Types of Cable Trays – Advantages, Applications and Sizes

Explore the types of cable trays, their advantages, applications, and standard sizes. Learn how they improve cable

Sep 09, 2025

Type of Cable Tray

Introduction: Today cable trays have become a necessary part of industrial and commercial construction by offering quick,

Jan 17, 2026

The Beginner's Guide to Tray Cable Types

One of the most popular options available is the 4-3C THHN-PVC tray cable with ground, also known as a multi-conductor THHN

Jun 19, 2026

A Comprehensive Guide to Tray Cable

Tray cable is a widely used type of multiconductor or multipair cable approved for installation in cable raceways and

Dec 17, 2025

Tray Cable Size Chart: Choosing the Right Gauge

Tray cable (TC) is a general-purpose cable rated up to 600 volts and is available in a wide range of gauges from 18

Aug 16, 2025

Cable Tray: Material Properties

Steel Steel cable trays are used principally in environments which are relatively free from corrosive attack. They are available with

Sep 01, 2025

What are the main types of galvanized cable tray?

Learn the main types of galvanized cable trays, including HDG cable tray, GI cable tray and Pre-galvanized cable tray.

Feb 04, 2026

Types of Cable Trays: Ladder, Perforated, Basket, Solid

Cable trays support insulated electrical cables in industrial and commercial settings. There

Apr 12, 2026

Galvanized Cable Tray Zinc Coating Standards and

The galvanization process is the primary anti-corrosion treatment for cable trays. The quality

Mar 05, 2026

Types of Cable Trays & Installation Guide

Additional Information Cable trays are crucial in cable management, providing organized electrical and communication wiring

Jul 23, 2026

Explaining NEC Article 392 on Cable Trays

NEC Article 392 explains cable trays, their components, appropriate wiring methods for

Oct 29, 2025

Cables Allowed in NEC Tray Applications

Cables Allowed in NEC Tray Applications Cable tray is one of the most common methods of supporting wire and cable. There are

Jun 04, 2026

GI Cable Trays – What it is, Types and Applications

A GI cable tray (Galvanized Iron Cable Tray) is a structural system that protects, routes, and supports electric wires

May 01, 2026

Types of Cable Trays: Benefits and Uses

Different types of cable trays offer key benefits, optimizing cable management and enhancing efficiency in electrical

Jul 18, 2026

Galvanised Cable Trays | The Cable Manager

Understanding the various types of cable trays is crucial for choosing the most appropriate option for your specific requirements.

Jun 27, 2026

The Ultimate Guide to Tray Cables: Types, Applications and

When it comes to powering, automating and protecting facilities—from factories and petrochemical plants to data

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

This document is for informational purposes only. Specifications subject to change without notice.

