

# Load-bearing capacity of corrugated long-span cable trays

## Overview

Load rating is independent of width. Even though a 900 mm wide tray has six (6) times the volume of a 150 mm wide tray, it cannot carry any more cable weight. When piling cable in tray, the required air separation between cables can be maintained by spacing. Long-span cable trays have a larger support span than ordinary cable trays, with a more sophisticated structural design and greater load-bearing capacity. Follow these steps to generate your accurate Bill of Materials (BOM) and engineering report: Step 1: Define System Specifications: Select your cable tray type. Ladder cable tray is available in widths of 6, 9, 12, 18, 24, 30, 36, 42 and 48 inches with rung spacings of 6, 9, 12 or 18 inches. Specifiers should be aware that some cable tray. Result: The cables alone add 2850 lbs to this 100-foot tray section. Don't forget the weight of any lids or dividers. Our product is both CSA and UL certified, and utilizes the latest innovations in manufacturing techniques. Unitray is proud to be 100% Canadian owned and the following catalogue.



## Article Content

Feb 14, 2026

### CABLE TRAY SYSTEMS GUIDE

Commonly called the Load Class, this defines the load-carrying capability of the tray for a specific support span distance. The design and cost of the cable tray is greatly affected by this designation.

Feb 16, 2026

load noun

Definition of load noun in Oxford Advanced Learner's Dictionary. Meaning, pronunciation, picture, example sentences, grammar, usage notes, synonyms and more.

Feb 26, 2026

### B-Line series Cable Tray Design Considerations

Cable tray must be capable of supporting not just the weight of the cable, but also the weight of any equipment or materials attached to the cable tray. Additionally, dynamic environmental elements ...

Jun 25, 2026

Long Span

The long span cable tray is suitable for long support spans and high cable load capacity, and conforms to the load/span design specified in IEC 61537. 2. The long span cable tray is mainly used for heavy ...

Jun 11, 2026

### Cable Tray Raceway Fill and Load Calculations

The load ratings of the hardware that supports the cable tray must also be considered. Load ratings for some commonly used supports are shown in the tray support maximum load table in below section.

Jun 03, 2026

### LOAD Definition & Meaning

The meaning of LOAD is the quantity that can be carried at one time by a specified means; especially : a measured quantity of a commodity fixed for each type of carrier —often used in combination.

Nov 26, 2025

## B-Line Cable Tray Design Guide

This document provides guidance on designing cable tray systems for commercial and industrial applications. It discusses key factors to consider such as cable tray types, lengths, strength, load ...

Sep 18, 2025

## Cable Tray Load Calculation and Sizing: Your Easy Guide

Worried about cable tray capacity? Learn simple cable tray load calculation steps. This guide helps you pick the right tray every time, keeping things safe and sound.

May 17, 2026

## Load Definition & Meaning | YourDictionary

To put something to be carried into or upon; esp., to fill or cover with as much as can be carried. To load a wagon with wheat.

Sep 06, 2025

## LOAD definition and meaning | Collins English Dictionary

A load is something, usually a large quantity or heavy object, which is being carried.

Feb 12, 2026

## Advanced Cable Tray Load Calculator & BOM Generator | Shielden

Easily calculate cable tray load capacity, verify NEC fill ratios, and generate a complete Bill of Materials (BOM) instantly. Free engineering tool by Shielden.

Sep 21, 2025

## LOAD Definition & Meaning | Dictionary

LOAD definition: anything put in or on something for conveyance or transportation; freight; cargo. See examples of load used in a sentence.

Jun 22, 2026

## LOAD | definition in the Cambridge English Dictionary

LOAD meaning: 1. the amount of weight carried, especially by a vehicle, a structure such as a bridge, or an.... Learn more.

Aug 17, 2025

## TECHNICAL AND SIZING DATA

Under the current CSA standard clauses 4.3 and 6.1.3, it is now possible to vary the maximum design load for tray as a function of its support span. This allows for heavier tray loading if the support span ...

Oct 08, 2025

#### Fittings LONG SP

The Long Span System is used where long support spans are required. Our h versions show a load rating of 20C according to NEMA. The main application for Long Span Cable Ladders are heavy duty power ...

Nov 24, 2025

#### What does load mean?

Load generally refers to the amount of weight or pressure being placed on a particular object or system. This term is commonly used in various fields such as engineering, computing, and electrical systems.

Mar 04, 2026

#### Long-Span Cable Tray | Heavy-Duty Support for Large Industrial ...

Long-span cable trays have a larger support span than ordinary cable trays, with a more sophisticated structural design and greater load-bearing capacity.

## Contact Us

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