Long-span cable trays in Australia



Overview

Cable Tray for Electrical Installations | OzstrutContractors use cable trays to route and protect cables, keeping systems organised and compliant with Aust.

Key Takeaways

Long-span cable trays in Australia are typically supported by heavy-duty perforated or ladder-style systems, designed for commercial and industrial installations, with compliance to AS/NZS standards.

Cable Tray Types for Long Spans

For long-span applications, heavy-duty cable trays such as the Ozstrut T5 system are ideal. The T5 tray features an 80mm cable depth, one-piece formed construction, and superior long-span strength, allowing continuous support of electrical, data, and communication cables across spans without intermediate supports, while maintaining airflow and accessibility. Ladder-style trays or perforated trays are also commonly used for long spans due to their structural rigidity and load-bearing capacity.

Materials and Durability

Cable trays in Australia are available in pre-galvanised steel, hot-dip galvanised steel, aluminium, stainless steel, or FRP. Hot-dip galvanised trays are preferred for outdoor or high-corrosion environments, while aluminium trays offer lightweight solutions with good corrosion resistance. Fire-rated trays are available for projects requiring compliance with AS/NZS 3013 fire hazard standards.



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Manufacturers and Suppliers

Leading Australian manufacturers and suppliers include EzyStrut, Ozstrut, Burndy CSS, Axelent, Brilltech, and ACURA Group. These companies provide a range of custom-engineered solutions for long-span installations, including ladder trays, perforated trays, and mesh baskets, suitable for commercial, industrial, and infrastructure projects. Compliance and StandardsLong-span cable tray installations must comply with AS/NZS 3000 wiring rules and relevant fire and structural standards.

Proper sizing, material selection, and installation methods are critical to ensure load capacity, safety, and durability. Depth and width selection depend on the number and diameter of cables, with typical depths ranging from 25mm to 100mm for high-capacity installations.

Installation Considerations

Support spacing: Long-span trays require careful calculation of support intervals to prevent sagging. Heavy-duty trays like T5 allow longer spans between supports. Accessibility: Perforated or ladder trays provide easy access for cable installation and maintenance.

Environmental factors: Outdoor or corrosive environments may require galvanised or stainless steel trays. Customization: Large projects may require custom tray components to accommodate unusual layouts or high cable volumes. By selecting the appropriate tray type, material, and manufacturer, and adhering to Australian standards, long-span cable tray installations can achieve structural integrity, safety, and efficient cable management across commercial and industrial projects.

Article Content

Cable Tray for Electrical Installations | Ozstrut

Contractors use cable trays to route and protect cables, keeping systems organised and compliant with Australian Standards. Cable trays are able to hold heavy loads and also make installation much

Cable Tray Systems

Durable and reliable cable tray systems providing premium performance in commercial and industrial applications, available in a variety of materials to suit your needs.

T5 Cable Tray

The T5 perforated cable tray is designed for efficient electrical cable management in commercial, industrial, and infrastructure environments. Its deeper 80mm profile

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Cable Tray | Cable Management | Rexel Australia

Cable trays and Cable Ladders for all types of electrical and construction projects in popular sizes and the industry''s most popular brands.

ET3 Cable Tray

The EzyStrut ET3 cable trays and accessories are available in pre-galvanised and hot dip galvanised steel, offer a 40mm cable laying depth and are suitable for commercial and industrial electrical fit outs.

Cable Tray Australia | Cable Management Tray | Cable Basket

Buy cable trays online from RS Australia. Shop a wide range including cable baskets & stainless steel trays for safe, durable cable management.

Shop Online Cable and Ladder Tray Wholesale | AGM

Shop cable and ladder trays for organized installations. High-quality, durable options at unbeatable prices. Order today! Factory Direct Pricing Australian Owned.

Galvanized Long span Ladder Cable Tray | Easy Cable Tray

Galvanized long span ladder cable trays are hot-dip galvanized, providing excellent corrosion resistance and strength, making them suitable for industrial and infrastructure projects requiring long-span cabling.

Cable Trays & Ladders | Cable Management | Electrical | Blackwoods

Ezystrut - Cable Tray - HDG - 100mm x 2400mm - 104730 BW# : 00894561 Mfr# : 104730 Product Information

Cable Tray Australia | Cable Management Tray | Cable Basket

Cable trays are a type of cable management system used to support and organise electrical cables and wires in commercial, industrial, and residential settings. These cable tray systems are typically made

CT Cable Tray

The CT cable tray is continuously perforated, and made from 1 piece of material. It provides a solution for installers who are looking for an economical support option, only require a shallow cable laying

Cable Tray Sizes & Compliance with Australian

Learn how to choose the right cable tray sizes to meet Australian electrical standards and ensure compliance in your projects.

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Premium Cable Tray Range For Tradies | Isupply Electrical

Cable Trays – Reliable, Heavy-Duty Support for Electrical Installations Keep your cable runs organised, secure, and compliant with high-quality cable trays built for serious electrical work. Whether you''re

Cable Tray

100% Australian family owned, CNW Electrical Wholesale has the electrical supplies you need. Start saving now!

Cable Management Trays

Our Cable Management trays are light in weight and are easy to maintain. They are a great trouble-free way to keep your cables organised. These easy to install cable trays disperse heat fast to help

EzyTray Cable Tray

The tray is lightweight, dependable and engineered from one piece of steel. Cabling widths available with the EzyTray range from 150-600mm, and the tray gives you a 40mm cabling depth.

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

Engineered for long distance cable routing, long-span cable tray offers high load capacity and strong structural durability for industrial applications.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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