ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Galvanized cable trays and galvanized conduits



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

Galvanized cable trays offer corrosion-resistant, flexible, and cost-effective cable management, while conduits provide enclosed protection for cables in high-risk or confined areas.Galvanized Cable Trays

Galvanized cable trays are steel or metal pathways coated with zinc through processes like hot-dip galvanization or electro-galvanization, which protect against corrosion and extend service life . They are widely used in industrial and commercial projects for routing electrical and data cables efficiently. Key benefits include:

• Durability and corrosion resistance: Zinc coating forms a protective patina that prevents rust and withstands harsh environments .

• Ease of installation: Open design allows cables to be laid rather than pulled, reducing labor and installation time .

• Maintenance and scalability: Open trays simplify inspection, troubleshooting, and future expansions without major modifications .

• Flexibility: Can adapt to complex architectural designs and elevation changes, supporting various cable types and loads .

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• Cost-effectiveness: Requires fewer materials and fittings compared to conduits, especially for large-scale installations . Common types include ladder, trough, solid-bottom, and ventilated trays, with options for light, heavy, or anti-corrosion applications .
Conduits

Conduits are enclosed pipes that protect cables from mechanical damage, moisture, and environmental hazards. They are ideal for:

• High-risk or public areas: Provide maximum protection for individual circuits .

• Small or complex runs: Suitable for areas where cables need precise routing or additional shielding .

• Durability in harsh conditions: Enclosed design prevents exposure to dust, chemicals, or physical impact . However, conduits are more labor-intensive to install, require threading and bending, and make maintenance or future modifications more challenging .
Choosing Between Cable Trays and Conduits
• Large-scale industrial projects: Galvanized cable trays are generally preferred due to faster installation, lower labor costs, and easier maintenance .

• Hazardous or confined zones: Conduits provide superior protection for critical circuits .

• Hybrid approach: Many facilities combine both systems—trays for main cable runs and conduits in high-risk areas—to balance flexibility, protection, and cost .
Summary

Galvanized cable trays are ideal for scalable, cost-effective, and easily maintainable cable management, while conduits excel in enclosed protection for sensitive or exposed installations. Selecting the right system depends on project scale, environmental conditions, cable protection needs, and future expansion plans .

Article Content

Galvanized Cable Trays – Mesh & Steel

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Cable Trays | EAE USA

Heavy duty cable trays and cable ladders are manufactured from pre-galvanized, electro-galvanized, or hot-dipped galvanized sheet

Cable Tray & Accessories

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

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Conduit | PVC conduit | cable management | cable trays

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Raceway, cables, boxes and conduit bodies supported by cable tray systems [392.18(G)] In industrial facilities where maintenance

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