

Huijue Cable Tray Dimensions



AI Overview

Huijue cable trays typically follow standard industry dimensions, with widths ranging from 100 mm to 600 mm, depths from 50 mm to 150 mm, and lengths of 2.4 m or 3 m per section.

Typical Dimensions

- Width (inside usable width):** 100 mm, 150 mm, 200 mm, 300 mm, 400 mm, 500 mm, 600 mm. The outside width is slightly larger due to side rail thickness, which is important for wall or floor penetrations and fitting compatibility.
- Depth (side rail height):** 50 mm, 75 mm, 100 mm, 125 mm, 150 mm. Depth affects cable stacking capacity, heat dissipation, and NEC fill compliance.
- Length of straight sections:** Standard lengths are 2.4 m or 3 m, with some manufacturers offering 6 m, 9.1 m, or 12.2 m spans for long runs.
- Material thickness:** Typically ranges from 1.0 mm to 2.0 mm for steel trays, with stainless steel trays often using 1.2 mm to 2.0 mm depending on load requirements.
- Perforation/slot size:** For cable fixing, common bed slot dimensions are 20 x 7.5 mm, with return-flanged sides for rigidity and cable protection.
- Rung spacing (for ladder trays):** Standard spacing is 150 mm, 225 mm, or 300 mm, with ventilated openings up to 52 mm.

Material and Compliance

Huijue trays are generally made of stainless steel, galvanized steel, or aluminum, depending on environmental conditions. Stainless steel trays often comply with BS EN 10088-2 Grade 316, ensuring corrosion resistance and durability. Cable trays and fittings are designed to be compatible with standard bends, tees, reducers, and couplers from the same manufacturer.

Practical Considerations

- Cable fill:** Width and depth should be selected based on the number and type of cables to avoid overcrowding and heat buildup.
- Future expansion:** Standardized dimensions allow for easy addition of new cables or rerouting without major retrofits.
- Installation:** Ensure that tray lengths, widths, and side rail heights are coordinated with supports, wall penetrations, and other structural elements.

By following these standard dimensions, Huijue cable trays can be integrated into indu...

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CABLE TRAY

Alternatively, most trays can be hot dip galvanized after fabrication to provide a long, corrosion resistant service life even when used outside. Depending on the design of the tray, you either use pre-made

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Learn how to choose the right Cable Tray Size based on cable load, type, and environment to ensure safe, efficient, and scalable installation.

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Cable Tray Technical Guide A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a practical reference regarding cable tray

Cable Tray Dimensions Guide: Standard Sizes, Tray Types & Sizing

Explore standard sizes by tray type, understand width and depth limits, and see how to calculate and choose compliant cable tray sizes for real projects.

Huijue Mesh Cable Tray Specifications

Wire Mesh Cable Tray System for Channeling of Cable Wiring A Simple-to-Install basket cable tray for safe and proper installation of facility wiring in the ceiling and under the floor.

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TECHNICAL AND SIZING DATA

The cable ampacity installed in solid tray will be similar to cable installed without spacing in accordance with CEC Rule 12-1210 (3). Solid tray will carry the same type of conductors as ventilated trays.

Cable Tray Dimensions and Standards

The document discusses perforated and solid bottom cable trays for Southern Asia. It provides specifications for straight sections of cable tray in 25mm and 50mm

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