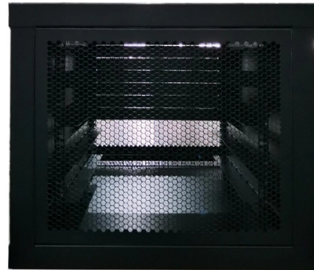


Right-angle fixing of mesh cable tray



Article Overview

Right-angle bends in mesh cable trays are achieved using the tray's bending capacity, with supports recommended at the start, end, and midpoint of the bend for optimal load distribution.

Creating Right-Angle Bends

Mesh cable trays are designed with flexible wire grids that allow for easy creation of bends, including 90° turns, without cutting or welding the tray. The wires can be separated and bent to form the desired angle, making it suitable for routing cables around corners or obstacles.

Support Placement

For right-angle bends, it is critical to position supports correctly to maintain structural integrity and prevent sagging:

- Start and end of the bend: Place supports at the beginning and end of the 90° turn to stabilize the tray and prevent deflection.
- Midpoint of large-radius bends: For wider or heavily loaded bends, a support in the middle of the curve is recommended to distribute the load evenly and maintain cable alignment.
- Coupler positioning: If using couplers to join tray sections, place them at approximately 1/5th of the span for maximum performance. Avoid placing supports directly under couplers to prevent stress concentration.

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