

Wholesale Prices of Common Busbar Trunking Systems



Overview

Installing a busbar trunking system usually costs less than wired power distribution systems in modern large buildings.

Key Takeaways

Wholesale busbar trunking systems typically range from \$10 to \$150 per meter depending on type, material, and current capacity. Overview of Busbar Trunking Systems

Busbar trunking systems are prefabricated electrical distribution solutions designed to efficiently deliver power across commercial, industrial, and utility environments . They are modular, compact, and safer than traditional cable wiring, with superior current-carrying capacity, reduced voltage drop, and better thermal management . Common types include:

- Single-pole systems: One busbar per phase, mainly for low-voltage applications; simpler but less compact .
- Two-pole systems: Can carry two voltage levels or AC/DC, offering flexibility for specialized industrial setups .
- Three-pole systems: Standard for industrial and commercial power distribution, ideal for high-voltage applications .

- Four-pole systems: Include a neutral point for stable load distribution, suitable for large commercial buildings .

Material Considerations

- Copper busbars: High conductivity, corrosion-resistant, compact, and ideal for low-voltage, high-density environments; more expensive .
- Aluminum busbars: Lighter, about 60% conductivity of copper, cost-effective for larger installations where weight is a concern .

Wholesale Pricing

Based on current market listings:

- Low-voltage (LVBT) systems for commercial buildings and data centers: approximately \$10–\$50 per meter depending on current rating and material .
- High-voltage (HVBT) systems for power plants, substations, and heavy industrial complexes: typically \$80–\$150 per meter, reflecting enhanced insulation, structural support, and cooling features .
- Aluminum systems are generally 20–40% cheaper than equivalent copper systems, making them attractive for large-scale industrial projects . Wholesale suppliers like Shanghai Qionghai Industry Co., Ltd. and platforms such as Alibaba and Made-in-China provide bulk pricing, often negotiable based on order volume, customization, and delivery terms .

Key Factors Affecting Price

- Current capacity (ampacity): Higher ampacity systems require thicker conductors and better insulation.
- Voltage rating: Systems rated above 1000V (HVBT) are more expensive due to safety and insulation requirements.
- Environmental protection: Outdoor or weatherproof systems cost more due to UV-resistant coatings and corrosion-resistant materials.
- Modularity and tap-off points: Systems designed for easy expansion or frequent reconfiguration may have higher upfront costs but reduce long-term installation expenses .

Conclusion

Wholesale busbar trunking systems offer flexible, efficient, and scalable power distribution. Prices vary widely based on type, material, and electrical specifications, with low-voltage aluminum systems starting around \$10 per meter and high-voltage copper systems reaching \$150 per meter. For bulk purchases, contacting suppliers directly for customized quotes is recommended to optimize cost and meet project-specific requirements .

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