

Empowering Your Business with

MV & LV BUSDUCT SYSTEMS



POWERING CONNECTIONS



Efficient Power Distribution with Compact Design

- ✓ **Efficient High-Current Power Distribution:** Design, supply, and installation of both Medium Voltage (MV) and Low Voltage (LV) busduct systems, providing a robust and efficient alternative to traditional cabling for high-current power transmission in commercial, industrial, and data center applications.
- ✓ **Compact and Flexible Routing:** Custom engineering of busduct layouts to optimize space utilization and facilitate flexible power distribution paths, including straight lengths, elbows, tees, and tap-off units, allowing for easy modification and expansion.
- ✓ **Reduced Installation Time and Cost:** Pre-fabricated modular sections and standardized components significantly reduce on-site installation time, labor costs, and the need for extensive cable trays, offering a faster and more economical deployment compared to conventional cabling.
- ✓ **Enhanced Thermal Performance and Safety:** Utilization of fully enclosed, non-ventilated designs with superior heat dissipation characteristics and robust insulation materials (e.g., epoxy resin, Mylar) to ensure enhanced thermal performance, minimize fire risk, and provide high short-circuit withstand capabilities.

Technical Specifications

Features

- ✓ System Type
- ✓ Rated Voltage
- ✓ Rated Current
- ✓ Short-Circuit Withstand
- ✓ Conductor Material
- ✓ Insulation
- ✓ Enclosure Protection
- ✓ Temperature Rise Limit
- ✓ Fire Resistance
- ✓ Tap-Off Units
- ✓ Compliance

Specifications

- ✓ MV (Sandwich/Cast Resin) and LV (Sandwich/Air-Insulated) Busduct
- ✓ MV: Up to 38kV; LV: Up to 1000V AC
- ✓ Up to 6000A (LV); Up to 4000A (MV)
- ✓ Up to 150kA for 1 second (LV); Up to 63kA for 1 second (MV)
- ✓ High-conductivity Electrolytic Copper or Aluminum, Tin-plated
- ✓ LV: Mylar, Epoxy Film; MV: Cast Resin, Epoxy
- ✓ IP54 (Indoor) to IP68 (Outdoor/Submersible) as per IEC 60529
- ✓ Class B (130°C) or Class F (155°C)
- ✓ Optional Fire Barrier Sections, up to 120 minutes (IEC 60331)
- ✓ Available with MCCB/MCB, Fused Switches, or Smart Metering
- ✓ IEC 61439-6 (LV Busbar Trunking Systems), IEC 62271-200 (MV Switchgear and Controlgear)

Why Choose Us?

- 01.** **Superior Efficiency and Reliability:** Our busduct systems offer significantly lower voltage drop and reduced power losses compared to cables, ensuring optimal energy efficiency and highly reliable power delivery, even in high-current applications.
- 02.** **Space-Saving and Adaptable Design:** The compact, modular construction of our busducts allows for efficient use of space and provides unparalleled flexibility for routing in complex building structures, facilitating future expansions and reconfigurations with minimal effort.
- 03.** **Enhanced Safety and Durability:** Engineered with robust, fire-resistant insulation and high short-circuit withstand ratings, our busduct solutions provide superior safety, minimize fire propagation risks, and offer exceptional durability and longevity in demanding environments.

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