

Custom Engineering, Solutions, and Services

Innovative design, advanced manufacturing,
and turnkey installation



Engineered for diverse applications around the world

With installations in over 45 countries and over 50 years of experience, Avail Bus Systems represents a long history of knowledge and expertise in custom-designed products that deliver proven performance. Avail solutions are the preferred option for medium voltage bus ducts.

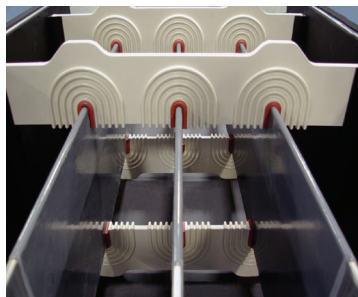
Custom Engineering

- Copper or aluminum bus bar
- Aluminum housing
- Available bushing box terminations
- Cable tap box
- Temperature maximum designed to customer needs
- Seismic certifications available
- Customized condensation control

Non-segregated phase bus systems for demanding industrial environments

Avail non-segregated phase bus systems represent an innovative design that provides effective system performance that is cost-effective, low maintenance, and ensures greater reliability. Our single-bar design means lower installation costs, less hardware at splice connections, and reduced installation time.

- Up to 38kV Rated Voltage
- 95kV BIL (standard), Up to 150kV BIL (optional)
- Up to 5000A, 7000A (optional)
- Totally enclosed, non-ventilated design - Ideal for both indoor and outdoor applications
- Meets or exceeds ANSI/IEEE and IEC standards, including ANSI C37.23
- Certified: ISO-9001:2015



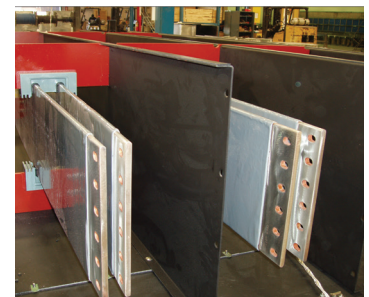
Custom Solutions and Services:

- Cubicles
- Switches
- Advanced thermal analysis of any bus system
- Inspection of new or existing bus systems
- Custom steel supports
- Turnkey installation

Segregated phase bus systems for rugged applications

Specifically designed for the application or user preference, Avail's segregated phase bus systems are built to deliver decades of reliable service in some of the most hostile environments. Bridging the gap between non-segregated and isolated phase bus systems, Avail utilizes single-phase conductors in a common enclosure with metal barriers between phases.

- Up to 38kV Rated Voltage
- 95kV BIL (standard), Up to 150kV BIL (optional)
- Up to 8000A
- Totally enclosed, non-ventilated design - Ideal for both indoor and outdoor applications
- Insulated or uninsulated conductor options available
- Smaller footprint than isolated phase bus (with insulated conductors)
- Meets or exceeds ANSI/IEEE and IEC standards, including ANSI C37.23
- Certified: ISO-9001:2015





Isolated phase bus system technology reduces enclosure voltage

Designed for applications that demand the highest reliability, Avail Isolated Phase Bus Systems are the safest for personnel and equipment. Avail can design and install the entire system, including interfaces with major manufacturers of generators, generator circuit breakers, and transformers.

- 15kV -38kV Rated Voltage
- Up to 25,000A (self-cooled)
- 25,000A and above (forced-air cooled)
- 125kV and 150kV BIL (standard), higher BIL available upon request
- Continuously bonded enclosure design for maximum electromagnetic field shielding
- Meets or exceeds ANSI/IEEE and IEC standards, including ANSI C37.23
- Certified: ISO-9001:2015



Installation, inspection, and maintenance of any bus system

Avail's long experience at the forefront of advanced bus system design and production makes us the leading provider of integrated service solutions that simplify the installation, inspection, and maintenance of any manufacturer's bus system. Our full-service installation and custom-engineered solutions provide ease of installation and greater reliability. To help avoid unscheduled outages and identify potential issues, Avail conducts a detailed inspection of all system components for any manufacturer's bus system. With our in-house manufacturing capabilities and custom fabrication, Avail provides exceptional maintenance services with turnaround times to meet the most demanding schedules.

- Turnkey bus installation
- Preventive maintenance
- Immediate emergency response and field service
- Retrofits and upgrades
- Full line of replacement parts
- Custom fabricated OEM parts and components

Bus System Replacement Parts

Avail offers a complete line of replacement and upgrade parts to support any medium voltage bus system with 24-hour emergency repair service 866-688-2558.



availinfra.com/bus-services

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