



# FIBREBOND

## EDGE DATA CENTER & FIBER SOLUTIONS



Fibrebond has developed innovative protection solutions for more than 35 years. Our experience and customer-focus drives us to continue developing new applications for the data center, communications, fiber, power and petrochemical industries. Our prefabricated, modular data center and fiber solutions are custom-engineered and can be deployed more quickly and cost-efficiently when compared to traditional construction.

MORE INFORMATION



## FIBREBOND BENEFITS

During the emergence of wireless communications, Fibrebond focused on the development of **integrated solutions** to protect sensitive equipment used by the emerging telecommunications industry. Today, we have supplied more than 48,000 units across the United States and internationally, and have the **scalability** to support large-scale project deployments. Our broad experience in telecommunications has led us to develop Edge Data Center and ILA Fiber solutions with the following benefits:

- Reduces site complications
- Design for specific set of states based on customer site selection
- State-level certification for modular construction
- Proven capacity of 3,300 shelters annually
- Safety: Building in a controlled environment with standardized processes
- Plug-and-Play at site
- Expandable



## EDGE DATA CENTER & FIBER MODULAR SOLUTIONS

Fibrebond's prefabricated 50-100kW Critical IT Load modular solutions support full-sized racks and/or cabinets, including an optional hot/cold aisle for Edge configurations. Each unit features fully-redundant MEP designs and ships completely integrated with IT racks or cabinets, overhead cable tray, critical power, cooling and security.

### STRUCTURAL FEATURES

- Precast concrete or lightweight steel construction
- Hybrid structures utilizing precast concrete and steel structural systems
- N+1 cooling
- 250-800 PSF floor loadings
- 2 hour fire-rated designs
- Wind and hurricane ratings
- Optional ballistic rating
- Security cameras
- Backup generator
- Telemetry for remote monitoring
- Busway & tap boxes for Edge configurations

### ENGINEERING

- Design Build
- Value Engineering
- Coordination of state certification process
- Seismic shelters designed and certified by states for local site requirements

### MANUFACTURING

- Predetermined project schedules for increased



- efficiency during production
- Warehousing and barcoding of customer equipment

### INTEGRATION SERVICES

- Scope of work includes: Distribution panel, UPS systems, DC systems, fire detection/suppression systems, communications equipment, remote monitoring and control systems, generator backup, custom cooling solutions, security systems

### TESTING

- Continuity & resistance testing on all wiring
- Insulation resistance testing up to 5000V
- Dedicated 4160, 480, 240, 208, 120V utility service for testing

### DELIVERY & TECHNICAL SUPPORT

- Coordination of logistics and transportation
- All loads contracted direct with carrier
- Site services: Offload & setup