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.
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 certificed 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