

Electrical Circuit Integrity Systems Fire-Resistive Rated Systems & Capabilities

NEC 2020 COMPLIANT

2-HOUR FIRE RATED

Construction Solutions

The National Fire Protection Association (NFPA) has fire resistive rating requirements for a 2-hour fire rating on all emergency life safety power feeds for commercial applications. These requirements are set forth in the NEC.

The purpose is to provide for survivability of critical circuits to ensure continued operation during a specified time under fire conditions. This is crucial for commercial construction projects that involve life safety applications such as fire pumps, emergency feeder cables, ventilating fans, exit and emergency lighting, and elevators.

Understanding these requirements in the codes and how they affect your project can be a daunting task. The experienced staff of Crescent Electric Supply, and their family of companies, is here to assist you, ensuring accurate specification and selection of compliant products via our in-depth nation-wide inventories and partnerships with premiere suppliers.

Contact a member of our team today to get started.

We're ready to assist with your project needs providing local service, and national support.





Prysmian Draka's Lifeline® RHW-2 Power Cables have been qualified and listed to the demanding requirements of UL 2196, Tests for Fire Resistive Cables.

Lifeline® Cables are preferred over Mineral Insulated (MI) cables, concrete encasement or the construction of fire rated assemblies based on the facts that Lifeline® RHW-2 Cables are less costly, easier to install, and readily available. Lifeline® RHW-2 Cables can be used in numerous construction applications for fire pumps, life-safety lighting, ventilation systems, elevators, and other specific emergency feeder applications to provide survivability during a fire when installed in accordance with FHIT 25C.



Fire Pump Feeds



Atkore FRE Composites fiberglass conduit system consists of conduits, elbows, fittings, and adaptors. Using a phenolic resin-based matrix, it is designed to provide transit, utilities, and industry with a non-metallic corrosion resistant, flame resistant, low-smoke, non-toxic conduit system that is suitable for high temperature installations and in commercial construction applications. Atkore FRE Composites BreathSaver® XW Conduit system products meet the most stringent industry requirements for safety.



Elevators Feeds



Resolve One's NEMA 4X fire resistive stainless-steel enclosures are the only enclosures in the country approved for use with FRE Composites BreathSaver® conduit and Prysmian's Lifeline®

RHW-2 fire resistive cable in both vertical and horizontal conduit installations. This 2-hour fire rated assembly (conduit/wire/enclosure) is ideal for emergency and lifeline feeds in commercial applications and buildings with elevators, fire pumps, emergency egress lighting, etc.

Resolve One offers additional pre-fabrication and custom construction solutions bridging design, application, equipment, and successful installation.



Emergency Lighting & Generator Feeds



Local Service, National Support

Visit us online to find a location near you.

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 Interstate Electric Supply
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