

# Electrical Circuit Integrity Systems Fire-Resistive Rated Systems & Capabilities

NEC 2020 COMPLIANT

2-HOUR FIRE RATED

## Transit System Solutions

The National Fire Protection Association (NFPA) has fire rating requirements for a 1 or 2-hour fire rating on all emergency life safety power feeds. Roadway tunnels (NFPA 502) require a 2-hour rating while Transit (NFPA 130) require a 1-hour rating.

In addition to commercial construction applications, these requirements and codes provide fire protection and life-safety requirements specifically for transit systems. 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 applications that involve the safety of passengers.

Understanding these new requirements and 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.



*Life-Safety Solutions for Transit Systems*



Prysmian Draka's Lifeline® RHW-2 Power Cables have been qualified and listed to the demanding requirements of UL 2196, Tests for Fire Resistant Cables when installed per FHIT 25C.

Lifeline® RHW-2 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 transit system applications for tunnel lighting, life-safety lighting, and for emergency feeder applications to provide survivability during a fire.



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 ideal for tunnels, subways, and other confined areas.

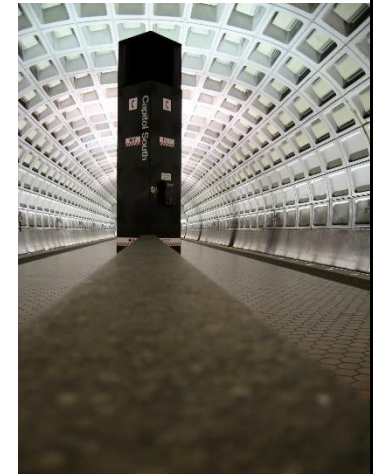
Atkore FRE Composites BreathSaver® XW Conduit system products meet the most stringent industry requirements for safety.



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

in both vertical and horizontal conduit installations. This 2-hour fire rated assembly (conduit/wire/enclosure) is approved for use in subway systems and roadway tunnels. A fire resistive rating is required in transit or roadway tunnels for emergency lighting, and other emergency systems and can be used in any commercial building that has requirements per NEC Article 700, Emergency Systems.

Approved for use in the United States by the Transit Authorities of the following cities: Seattle, San Francisco, Washington DC, and Los Angeles, Massachusetts, Pennsylvania, Maryland, Virginia, and New York City Transit Authority.



## Local Service, National Support

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