NFPA 130 - Standard for Fixed Guideway Transit and Passenger Rail Systems

The National Fire Protection Code, NFPA 130, specifies fire-protection and life-safety requirements for underground, surface, and elevated fixed guideway transit and passenger rail systems, including stations, train ways, emergency ventilation systems, and communications and control systems.

The wire and cable requirements in chapter 12 state that fire-resistive cables shall be certified or listed as having been tested in a totally enclosed furnace using the ASTM E-119 time temperature curve, and the cables shall demonstrate functionality for no less than 1 hour as described in the ANSI / UL 2196 test standard.

Radix Wire’s DuraLife FPL cables meet this requirement, and then some! Radix flexible DuraLife FPL cable is a cost-effective, code-compliant solution for all your transit applications. It’s certified for 2 hours under the stringent UL 2196 testing standard, surpassing the NFPA 130 requirement, and with the addition of our new 12AWG FPL cable installers now have additional options for longer wire runs.

Many installers replace 14 gauge with 12 gauge on longer UL 2196 cable runs due to voltage drop. Now they can maintain system consistency and avoid higher installation costs by using a certified Radix DuraLife FPL cable, even when running more than 300 feet of cable powering numerous devices in a transit station with our industry-leading horizontal EMT fill rates.

Contact Eli (your CI Guy) at emike@radix-wire.com or 216-400-6719 for more information and to discuss your system design needs today!