

# SIMPLE, RELIABLE FREEZE PROTECTION



**SELF-REGULATING HEATING CABLE FOR FIRE SPRINKLER SYSTEMS**

# LESS MAINTENANCE

## WITH AUTOMATIC, SELF-MONITORING HEAT.



Nelson's fire protection system is ideally suited for garages, warehouses, porticos and other unheated commercial or industrial locations where branch sprinkler systems are used for fire protection. Our self-regulating electric heat trace cables are also listed and certified for freeze protection from main water lines to sprinkler heads.

### **SELF-REGULATING HEAT OUTPUT.**

Automatically varies heat output as needed, allowing the cable to be overlapped without creating hot spots during operation.

### **QUICKER RESPONSE.**

With dry systems, valves control water flow. As a result, water takes longer to reach the sprinklers from the source. Nelson products ensure that water is immediately available at each sprinkler head in the event of a fire.

### **CLEANER FOR THE FACILITY.**

No antifreeze is needed, eliminating the possibility of chemicals leaking into drains and ground water. If a fire does occur, no chemicals are sprayed on the facility or equipment.

# THE COMPLETE FREEZE PROTECTION SYSTEM.

Nelson freeze protection is inexpensive to run, with virtually no maintenance needed. It also contributes to improved fire safety, since sprinkler systems can respond immediately without the need for antifreeze chemicals.

Once the system is installed, there are no maintenance costs, no chemicals to buy and no need to pay a professional to clear and pressurize dry lines annually. Because the system is always charged with water, there is less risk of corrosion due to trapped moisture and air – and no danger of antifreeze chemicals damaging the system or the environment. Electricity costs are minimal because Nelson's self-regulating cables and temperature controls apply heat only where and when it is needed.

In addition to Heat Trace cables, Nelson also offers connection kits and controllers designed to integrate seamlessly with the freeze protection system.



## SELF-REGULATING CABLES

Nelson CLT and LT Series heating cables are available for both 120 and 240 Vac applications, with a choice of power densities to provide freeze protection in ambient temperatures as low as  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ). These cut-to-length cables can be used in wet or dry environments, and the LT Series is also approved for hazardous locations when used with appropriate connection kits.



## CONNECTION KITS

A complete selection of connection kits and accessories are available for spicing cables under pipe insulation or in a rugged NEMA 4X enclosure for exceptional weather and corrosion resistance.



## MONITORING AND CONTROL

Choose from a range of industrial thermostats, cable monitoring systems and circuit management systems for simple, reliable operation of any heating cable configuration. Nelson offers ordinary and hazardous location controls with approvals and certifications for practically any application.

Emerson brings integrated manufacturing solutions to diverse industries worldwide. Our comprehensive product line, extensive experience, world-class engineering and global presence enable us to implement solutions that give our customers the competitive edge. Nelson Heat Trace is our industrial line of heating cables solution. They provide a full line of products and expertise for the powering, controlling and monitoring of pipeline temperatures.

For over 150 years, our electrical product brands have been providing a rich tradition of long-term, practical, high quality solutions with applications ranging from the construction and safe operation of petrochemical and process plants to providing quality power that precisely controls automotive robotic production.

Engineers, distributors, contractors, electricians and site maintenance professionals around the world trust Emerson brands to make electrical installations safer, more productive and more reliable.

The Appleton Group business unit of Emerson is organized into three focused groups that provide distributors and end users expert knowledge and excellent service.

#### **Electrical Construction Materials**

This group is made up of the Appleton and O-Z/Gedney brands. They manufacture a broad range of electrical products including conduit and cable fittings, plugs and receptacles, enclosures and controls, conduit bodies and industrial and hazardous lighting. Whether the application is hazardous location, industrial or commercial, the electrical construction materials group has the products to meet your needs.

#### **Power Quality Solutions**

The SolaHD brand offers the broadest power quality line, including uninterruptible power supplies, power conditioners, voltage regulators, shielded transformers, surge protection devices and power supplies.

#### **Heating Cable Systems**

This group is made up of the EasyHeat and Nelson brands. They offer a broad range of electrical heating cable products for residential, commercial and industrial applications.

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