CRG series Heat Trace Cable for Fire Protection Systems

Installation, Operation & Maintenance Instructions

1. For use on insulated UL Listed schedules 5, 10, 20, and 40 standpipe and sprinkler system pipe up to and including 6 inch in size. Includes use on elbows, tees, flanges, hangars and valves as explained below: (Valid only when used in conjunction with fiberglass insulation with a minimum k-factor of 0.25 BTU/hr-°F-ft2-in with weatherproof cladding). Use a minimum of 1” unless specified otherwise.

   For piping 2” and smaller in diameter use one single run of CRG05 cable.

   For piping between 2” and 4” in diameter, use one single run of CRG08 cable.

   For piping between 4” and up 5.5” in diameter use one single run of CRG10 Series cable.

   For piping greater than 5.5” and less than or equal to 6” in diameter use the CRG10 Series cable wrapped around the piping with a center to center spacing between wraps of 10” or less.

   For piping greater than 6” in diameter and up to 10” in diameter use a single run of CRG10 Series cable with a minimum of 2 inches of fiberglass insulation.

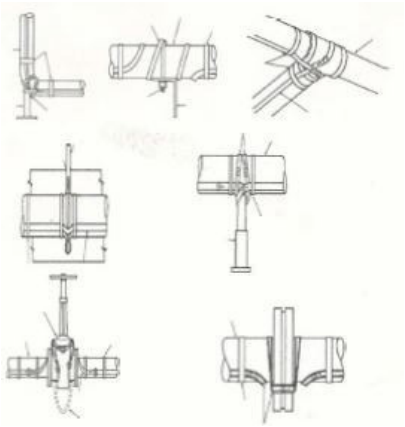
   For piping greater than 10” in diameter and up to 14”in diameter use a single run of CRG10 Series cable with a minimum of 2.5” inches of fiberglass insulation.

   For piping greater than 14” in diameter and up to 16”in diameter use a single run of or CRG10 Series cable with a minimum of 3.0” inches of fiberglass insulation.

   For piping greater than 16” in diameter and up to 18”in diameter use a single run of CRG10 Series cable with a minimum of 3.5” inches of fiberglass insulation.

   For piping greater than 18” in diameter and less than or equal to 20”in diameter use a single run of CRG10 Series cable with a minimum of 4.0” inches of fiberglass insulation.

For cable application to elbows, tees, flanges, hangars and valves, follow the guidelines below:



2. For systems having piping which connects between buildings in unheated areas, coolers and freezers.

3. For systems having sprinkler piping that is installed in coolers or freezers where the temperature is -40°F or greater.

Not intended to be used as the means to prevent freezing of sprinkler branch lines including all accessories for these lines and automatic (deluge, preaction, dry pipe, alarm, etc...) valves as referenced in NFPA 13.

For use in Ordinary Hazard Occupancies only as specified in NFPA 13 the Standard for Installation of Sprinkler Systems.

Fire suppression system heater circuits must be connected to monitoring equipment. A Listed Power Supervisory Relay with the appropriate voltage coil shall be connected in parallel prior to the heat tracing. The output contacts of the listed power supervisory relay should be connected to a Listed Fire Control Panel which has provisions for supervisory circuits.