



Division 260170

Heating Cable and Equipment

DESIGN GUIDE

1 General

1.1 Introduction

- A. This section applies to:
 - 1. Roof and gutter heating cable
 - 2. Pipe heating cable
 - 3. Temperature controls for heating cable

2 Materials

2.1 Roof Gutter Heating Cable

- A. Heating Cable: Self-regulating heat cable with continuous core of conductive polymer extruded between two copper bus wires.
- B. Controller: Automatic snow and ice melting controller with outside temperature control sensor and weatherproof enclosure.

2.2 Pipe Heating Cable

- A. Heating Cable: Self-regulating heat cable with continuous core of conductive polymer extruded between two copper bus wires.



3 Execution

3.1 Installation

- A. Install in accordance with manufacturer's instructions.
- B. Roof and Gutter Heating Cable: Install roof and gutter heating cable in accordance with the manufacturer's recommendations. Cable shall be fastened to roof and gutter with clips furnished with cable. Cable splices and terminations shall be made with factory provided components. Cable shall be fished through gutters and rainwater leaders. Install automatic controller per manufacturer instructions.
- C. Pipe Heating Cable: Install pipe heating cable under pipe insulation in accordance with the manufacturer's recommendations. Cable shall have noted turns per foot of pipe. Insulation shall be half-lapped and vapor seal shall be half-lapped in opposite direction. Cable splices and terminations shall be made with factory provided components.
- D. Provide ground fault protection for branch circuits serving heat cable per the cable manufacturer's requirements.

3.2 Testing

- A. Test continuity of heating cable.

4 Appendix

4.1 Reserved for future.