

## **1. GENERAL**

### **1.1 GENERAL**

- .1 Supply and installation of one heat tracing cable (double looped) per water hydrant access vault pipe. Provide all power, connections, and control components as required.

### **1.2 SHOP DRAWINGS**

- .1 Submit shop drawing information in accordance with Section 01300, Submittals.

## **2. PRODUCTS**

### **2.1 HEAT TRACING**

- .1 Heat tracing to be 208 Volt heater cables with a self-limiting material regulating its own thermal output in response to localized temperature changes. The cables to be of the parallel circuit element type, to allow it to be cut to length without affecting the lineal watt density.
- .2 Heat cables to consist of two #16 AWG nickel-plated copper bus wires embedded in a radiation cross-linked semiconductive polymer core. The heating cables to be covered by a fluoropolymer outer jacket for protection from organic chemicals or corrosives. Thermon 8-FLX-2-FOJ.
- .3 Provide factory approved terminations at both ends.
  - .1 Line-Sensing Thermostat: Thermon N4X-40.
  - .2 Termination Kit: Thermon PCA-COM.
  - .3 Non-metallic Junction box: Thermon JB-K.

## **3. EXECUTION**

### **3.1 HEAT TRACE CABLE INSTALLATION**

- .1 The cable shall be supplied in appropriate continuous lengths, with all fittings for a complete operational system. No heating cable splices will be allowed.
- .2 The installation to be coordinated in accordance with the cable manufacturer's recommendations.
- .3 The heating cable system supplied to be complete with all related accessories, for a complete working system.

- .4 At heating cable power supply points, terminations and other areas, the Contractor shall maintain a moisture and watertight installation.
- .5 The water service heat trace system power will be from the power pedestals. Provide wiring and circuit breakers as required and noted on drawings. The heating power cable shall be carried via Teck cable from the power pedestals.
- .6 Test each heating cable length in accordance with heating cable manufacturer instructions.

**END OF SECTION 16867**