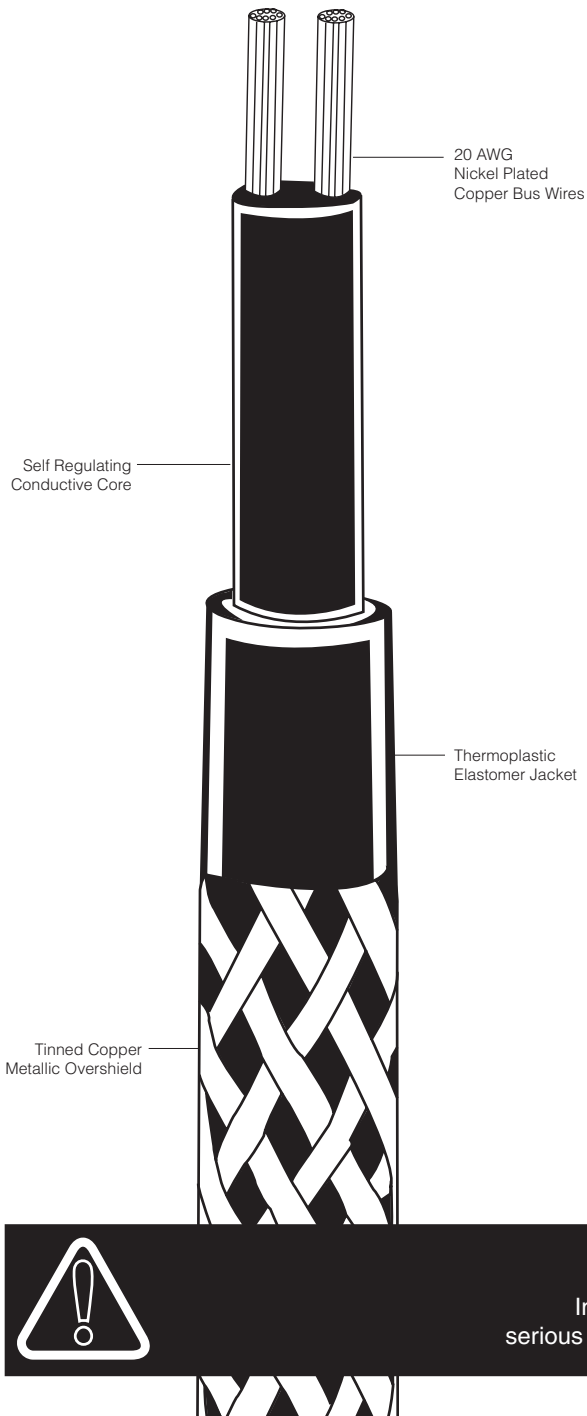


## ***THRIFTY TRACE***

***120 Volts      5 Watts/Ft***

***Above standard ratings are heat output at 40°F***

Delta-Therm's economical self regulating cable for pipe tracing increases heat output as pipe temperature decreases, and conversely, decreases heat output as pipe temperature increases.



### **DESCRIPTION**

Thrifty Trace self regulating cable contains two 20 AWG parallel bus wires electrically connected by a web of PTC (positive temperature coefficient) conductive polymer. A thermoplastic elastomer jacket surrounds the cable to provide mechanical protection and electrical isolation. The tinned copper braid overshield provides additional mechanical protection as well as a ground path for fault currents. This cable should be controlled by a thermostat or other device

### **APPLICATIONS**

External Pipe Tracing

### **APPROVALS**

Ordinary Locations: Thrifty Trace cable is UL listed for pipe tracing when used with the PCK-TT power connection kit.



This cable is designed for commercial applications and must be installed by a qualified electrician. Improper installation can result in property damage, serious injury, and/or death due to electric shock and fires.



# Technical Information Thrifty Trace (TT) Series

Specifications	
Part Number	TT120-5-CB
Bus Wire Size	20 AWG
Thermal Rating at 40 Deg. F (Watts/FT)	5
Service Voltage	120
Maximum Circuit Length (Ft)	125
Maximum Maint. Temp. (Deg. F)	150
Maximum Exposure Temp. (Deg. F)	185
Applications	Pipe Tracing: Metallic and non-metallic surfaces

120 Volt Breaker Sizing vs Max. Circuit Length		
	15A	20A
TT120-5-CB if started at		
40 Deg. °F	125	125
0 Deg. °F	90	125
-20 Deg. °F	80	120

## RECOMMENDED CIRCUIT BREAKERS

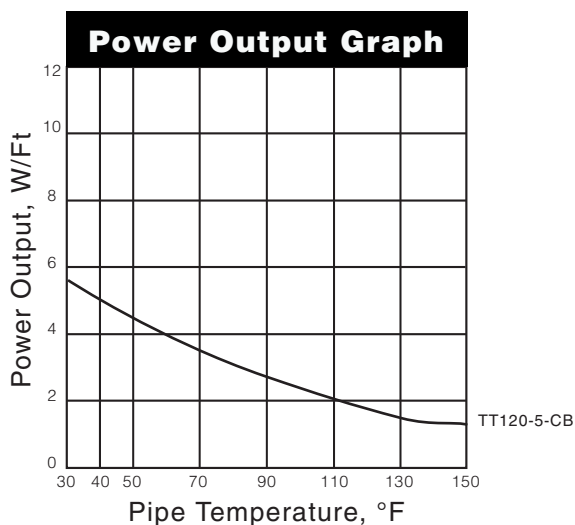
Do not use magnetic-type circuit breakers.

Delta-Therm recommends using the following thermal-magnetic circuit breakers (or equivalent) to prevent nuisance tripping caused by inrush currents:

Westinghouse: Types BA, EB, EHB, FB, HFB

Gen. Electric: Types TEB, THED

Square D: Types EH, FA



## ACCESSORIES

- A319ABC-24-01** NEMA 1 Thermostat
- PCK-TT** Power Connection Kit – UL Listed
- T-F50** Fiberglass Banding Tape
- T-AL200** Aluminum Tape

## TO ORDER THRIFTY TRACE CABLE: SPECIFY TT120-5-CB

## Use of Ground Fault Protective Devices and Tinned Copper Metallic Overshield

NEC CODE 2005, ARTICLE 427-22:

Equipment Protection. Ground-fault protection of equipment shall be provided for electric heat tracing and heating panels. This requirement shall not apply in industrial establishments where there is alarm indication of ground faults and the following conditions apply:

(1) Conditions of maintenance and supervision ensure that only qualified persons service the installed systems.

(2) Continued circuit operation is necessary for safe operation of equipment or processes.

NEC CODE 2005, ARTICLE 427-23:

Grounded Conductive Covering. Electric heating equipment shall be listed and have a grounded conductive covering in accordance with 427.23(A) or (B). The conductive covering shall provide an effective ground path for equipment protection.

(A) Heating Wires or Cables. Heating wires or cables shall have a grounded conductive covering that surrounds the heating element and bus wires, if any, and their electrical insulation.

(B) Not applicable to heating wires or cables.

The metal covering shall provide an effective ground path.

The material contained in this document is presented in good faith and believed to be reliable and accurate. However, because testing conditions may vary and material quality or information that may be provided in whole or in part by others may be beyond our control, no warranty, expressed or implied, is given. Delta-Therm can assume no liability for results obtained or damages incurred through the application of the data and tests presented.

