## **NELSON**<sup>™</sup>

## **Self-Regulating Trace for Low Temperature Maintenance**

Specification - Application Information

## **Pre-insulated Tubing Bundle**



#### **Description:**

Nelson pre-insulated tubing bundles consist of single or dual 316 stainless steel process tubes traced with self-regulating heater cable, non-hygroscopic fiberglass insulation and an outer jacket of PVC or Urethane Elastomer. This system is designed to provide freeze protection and temperature maintenance of 40°F (4.4°C) to 150°F (65°C) at low ambient temperatures to -40°F (40°C).

#### **Applications:**

Impulse lines; flow transmitters, pressure transmitters, level transmitters and pressure switches, Sample lines; analyzers, Process lines; steam supply, condensate return, chemical feed and air lines. Designs are approved for use in Class I, Division 1 and 2, and Class II, Division 1 and 2, hazardous, classified locations. Designs for Zone 1 hazardous areas are also available.

#### **Heater Cable Performance and Ratings:**

Catalog Number	Service Voltage	Maximum Length	Maximum Maintenance Temperature	Maximum Intermittent Exposure	T-Rating*
LT3	120	325	150°F	185°F	T6
LT23	208-277	650	150°F	185°F	T6
LT5	120	270	150°F	185°F	T6
LT25	208-277	540	150°F	185°F	T6
LT8	120	210	150°F	185°F	T5
LT28	208-277	420	150°F	185°F	T5
LT10	120	180	150°F	185°F	T5
LT210	208-277	360	150°F	185°F	T5

Electrical equipment T-rating codes define the maximum surface temperature that equipment will reach. It is used in hazardous (classified) area applications.

#### **Tube Bundle Specifications:**

	Nominal Wt.	Bundle O.D.	
Process Tube O.D.	LB/FT (KG/M)	IN (CM)	
(1)250 IN	0.4 (0.60)	1.25 (3.2)	
(1)375 IN	0.5 (0.74)	1.40 (3.6)	
(1)500 IN	0.6 (0.89)	1.50 (3.8)	
(2)250 IN	0.5 (0.74)	1.50 (3.8)	
(2)375 IN	0.7 (1.04)	2.00 (5.1)	
(2)500 IN	1.0 (1.49)	2.30 (5.8)	

<sup>\*</sup> For other process tubes or cable, consult factory.



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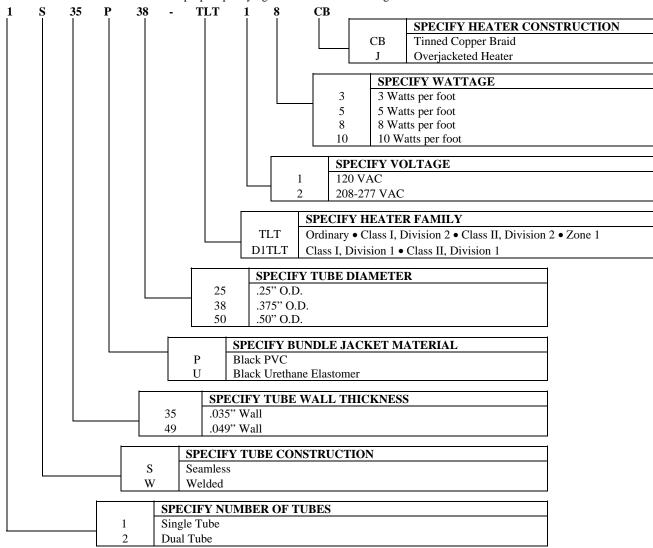
## **Self-Regulating Trace for Low Temperature Maintenance**

Specification - Application Information

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#### **SELECTION TABLE**

The selection table below allows for the proper specifying of Electric Trace Tubing



#### **ACCESSORIES**

- Division 2 Connection Kits for Power Connection and End Seals (Nelson PLT Series)
- Division 1 Connection Kits for Power Connection and End Connection (Nelson HASK Series)
- Zone 1 Connection Kits for Power Connection and End Connection (Nelson Z1 Series)
- Thermostatic Controls (Nelson TA, TH, TE and HC Series)
- Junction Boxes, End Boots, Entry Seals, Sealants, Patch Kits and Warning Signs
- Custom Control, Monitoring and Power Panels

Nelson Heat Tracing Systems products are supplied with a limited warranty. Complete Terms and Conditions may be found on Nelson's website at www.nelsonheaters.com.

