

# NELSON™ HEAT TRACING SYSTEMS

## ROOF & GUTTER DEICING SYSTEM

### FOR TYPE SLT AND CLT-JT HEATING CABLE & ACCESSORIES

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#### DESCRIPTION

Nelson Heat Tracing Systems' **SLT and CLT-JT heater cables** provide a solution for ice dams that can build up and damage buildings and gutter systems. The cables' self-regulation feature provides additional benefits:

- **Lower Energy Consumption** - the cable reduces its power output as the ice and snow disappear.
  - **Fail-Safe Temperature Limit** - the cable cannot overheat and melt or damage temperature sensitive roof coatings.
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#### COMPONENTS

**SLT-LPS Power Connection Kit**- includes moisture seals for both ends of the heater cable as well as a watertight entry seal into a junction box (not included in this kit). It is recommended that a NEMA 3R, 4 or 4X box be used and mounted under an eave or other protected area. Each kit will terminate one heater cable.

**SLT-ES Entry Seal Kit**- provides a watertight entry seal into a junction box (not included in this kit). It is recommended that a NEMA 3R, 4 or 4X box be used and mounted under an eave or other protected area. One entry per kit.

**SLT-C Universal Roof Mounting Clips**- are used for all types of installations. Clips come 25 to a box; order one box per eight feet of eave or one box for every 100 feet of cable installed on flat roofs.

**SLT-D- Downspout Hangars** are used to support the heater cable where it enters or exits a downspout. Hangars come in kits of 5; one is required for each downspout. If downspout is in the middle of a circuit, the cable is looped down to the bottom of drain and back up, clamping it into downspout hanger to prevent the cable from being pulled tight against drain/gutter edge. Each kit contains 5 hangars.

**SLT-S Splice Kit**- is used to splice two pieces of cable together. This could occur when additional cable is needed or a damaged spot must be cut out and repaired. Each kit contains 5 splices.

**SLT-E End Seal Kit**- provides a moisture seal at the end of each heater cable circuit. Each kit contains 5 seals.

**SLT-P Power End Seal Kit**- provides a moisture seal at the power connection end of the heating cable to prevent electrical arcing if condensation occurs in the connection box. Each kit contains 5 seals.

**AT-50 Aluminum Foil Tape**- may be used to secure the heater cable to the bottom of the gutter. Each roll of tape will accommodate 46M (150') of gutter. Gutter must be clean for foil tape to adhere properly. As an alternate, the cable may be laid loose in the bottom of the gutter without being secured with foil tape.