

### DESCRIPTION

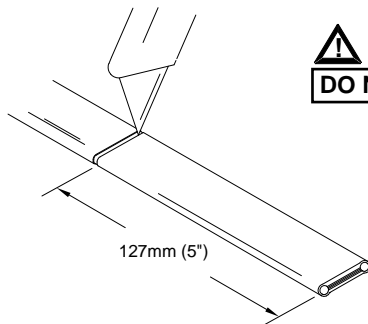
The LT-SP Power End Termination Kit is for use with all versions of Nelson Heat Tracing Systems' LT & CLT heater cables except for J option. Minimum installation temperature  $-30^{\circ}\text{C}$  ( $-22^{\circ}\text{F}$ ).

### KIT CONTENTS

- 5 Shrink Tubes, 13mm (0.5") diameter, 51mm (2") length
- 10 Shrink Tubes, 3mm (0.125") diameter, 25mm (1") length

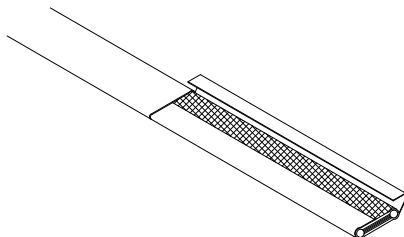
### OVERJACKET STRIPPING PROCEDURES

Proceed to step 4 for Braided Products.

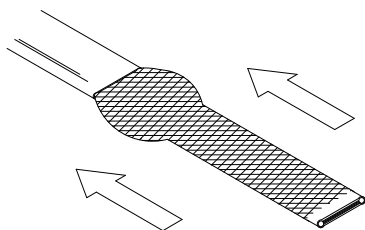


**WARNING:**  
DO NOT CUT BRAID

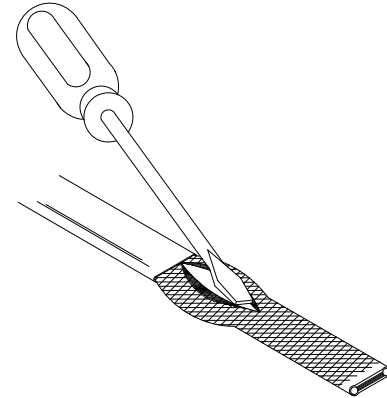
- 1 Lightly cut around heater overjacket 127mm (5") from the end. Bend cable to break the overjacket.
- 2 Lightly cut overjacket up the center between first cut mark and the cable end. Bend cable to break outer jacket.



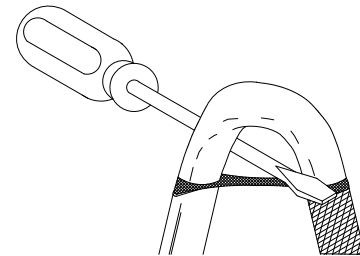
- 3 Remove overjacket from heater cable.



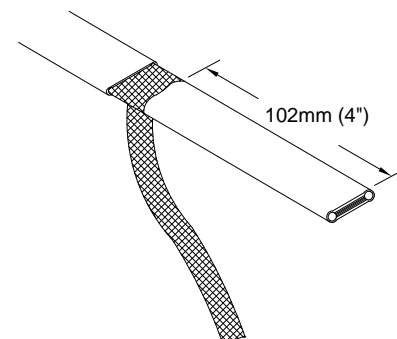
- 4 Move braid back toward the overhacket, creating a bulge.



- 5 At the bulge, separate the braid to make an opening.

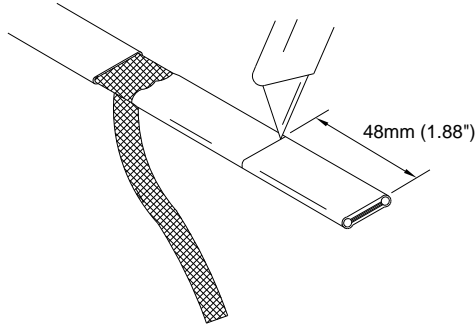


- 6 While bending the heater cable, work it through the braid opening.

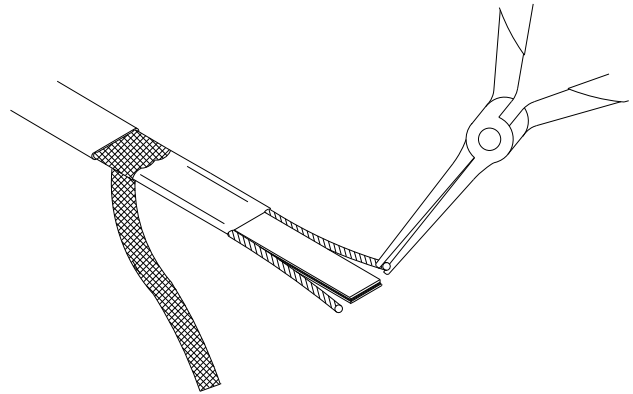


- 7 Pull braid tight.
- 8 Repeat steps 1 - 7 for both heater cables.
- 9 Proceed to "Outer Jacket Stripping Procedures", sheet 2.

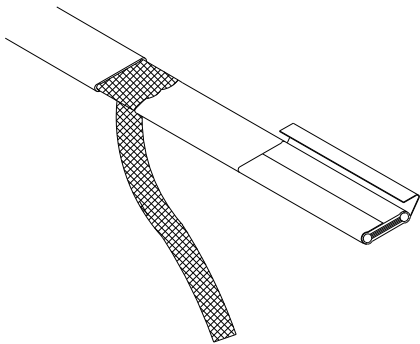
### OUTER JACKET STRIPPING PROCEDURES



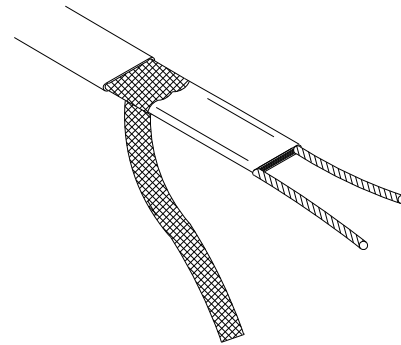
- 1 Lightly cut around heater outer jacket 48mm (1.88") from the end. Bend cable to break outer jacket.
- 2 Lightly cut the outer jacket up the center between the first cut mark & the cable end. Bend cable to break outer jacket.



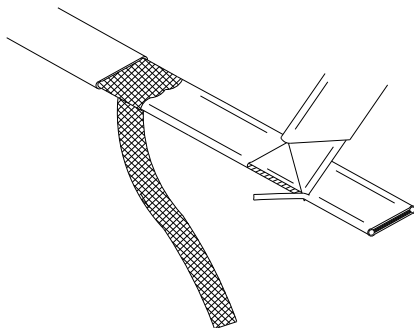
- 5 Starting at the end, pull each bus wire away from the core material.
- 6 Remove exposed core material.



- 3 Remove jacket from the heater cable.



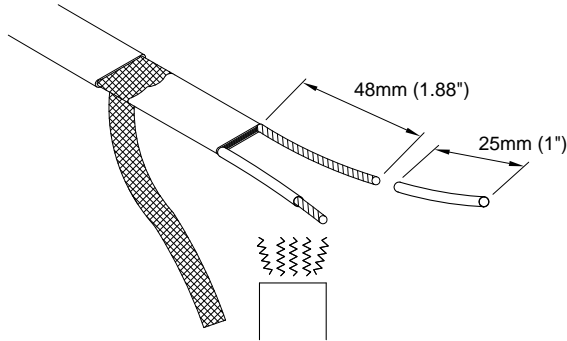
- 7 Repeat steps 1 - 6 for both heater cables.
- 8 Proceed to "Shrink Tube Procedures", sheet 3



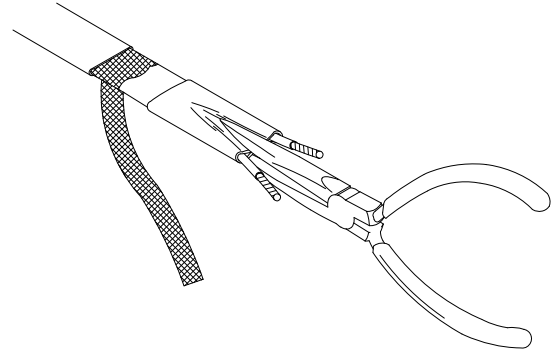
**⚠ WARNING:**  
**DO NOT CUT BUS WIRES**

- 4 Shave core material from the outside of each bus wire.

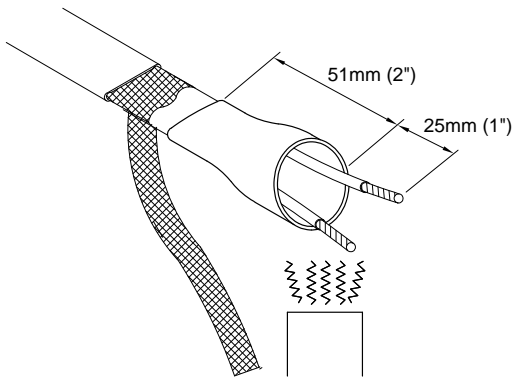
### SHRINK TUBE PROCEDURES



- 1 Slide one 3mm (0.125") diameter, 25mm (1") length shrink tube over each bus wire leaving approximately 13mm (0.5") of each bus wire exposed. Shrink with heat gun until completely shrunk.



- 3 While still warm, spread bus wires and squeeze between them using needle-nose pliers, hold for 5 seconds. Allow power termination to cool before use.



- 2 Slide one 13mm (0.5") diameter, 51mm (2") length shrink tube over both pigtail leads leaving approximately 25mm (1") of each pigtail lead exposed. Shrink with heat gun until completely shrunk.

# NELSON™ HEAT TRACING SYSTEMS

## LT-SP POWER END TERMINATION KIT

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**INSTALLATION  
INSTRUCTIONS**