

NELSON™ HEAT TRACING SYSTEMS

HSK-85 SPLICE KIT

INSTALLATION INSTRUCTIONS

DESCRIPTION

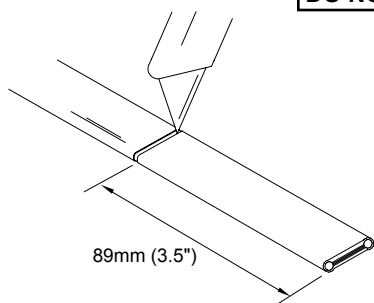
The HSK-85 Splice Kit is for use with all versions of Nelson Heat Tracing Systems' LT heater cables.

KIT CONTENTS

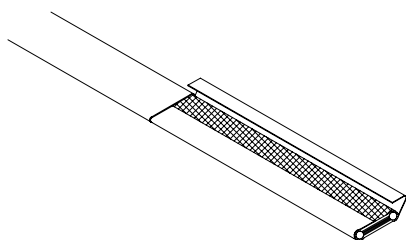
- 1 Uninsulated Splice Connectors
- 2 Insulated Splice Connectors
- 1 Shrink Tubes, 13mm (0.5") diameter, 152mm (6") length
- 1 Shrink Tubes, 16mm (0.63) diameter, 229mm (9") length

OVERJACKET STRIPPING PROCEDURES

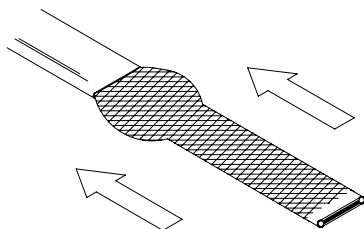
For Braided "CB" Products proceed to step below.



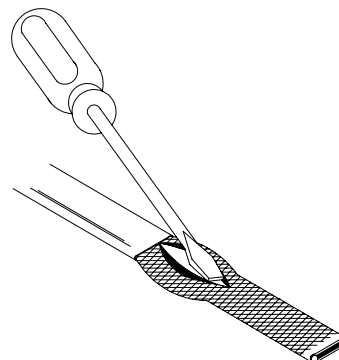
- ❶ Lightly cut around heater overjacket 89mm (3.5") from the end. Bend cable to break the overjacket.
- ❷ Lightly cut overjacket up the center between first cut mark and the cable end. Bend cable to break



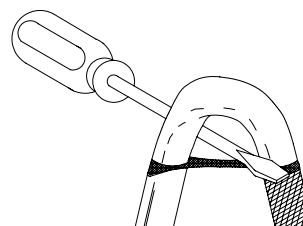
- ❸ Remove overjacket from heater cable.



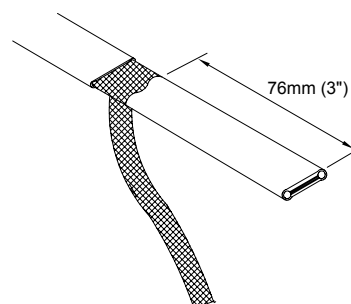
- ❹ Move braid back toward the overhacket, creating a bulge.



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



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



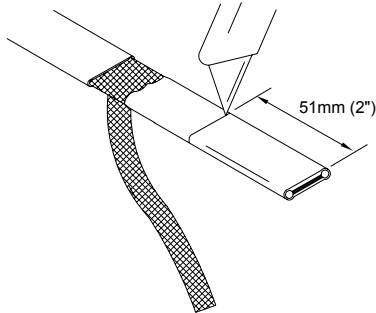
- ❼ Pull braid tight.
- ❽ Repeat steps 1 - 7 for both heater cables.
- ❾ Proceed to "Outer Jacket Stripping Procedures", sheet 2.

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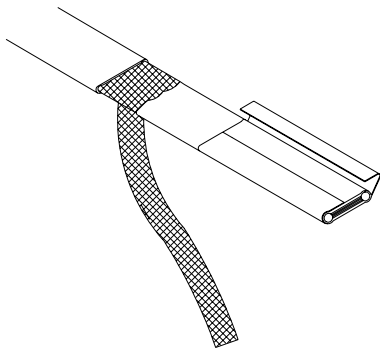
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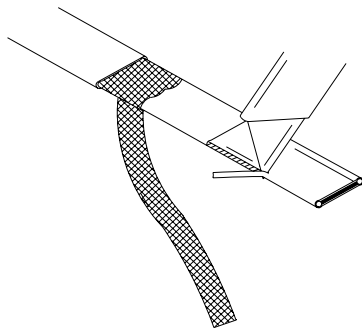
OUTER JACKET STRIPPING PROCEDURES



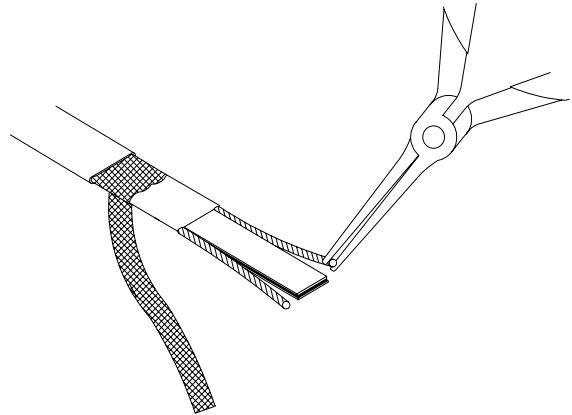
- ❶ Lightly cut around heater outer jacket 51mm (2") from the end. Bend cable to break outer jacket.
- ❷ Lightly cut the outer jacket up the center between the first cut mark & the cable end. Bend cable to break outer jacket.



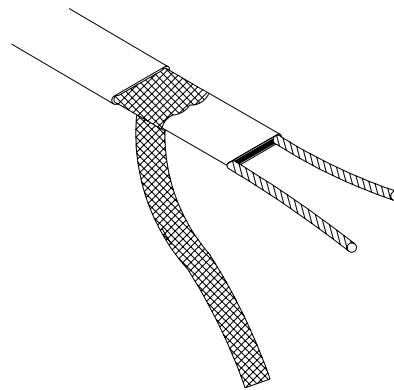
- ❸ Remove jacket from the heater cable.



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



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



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

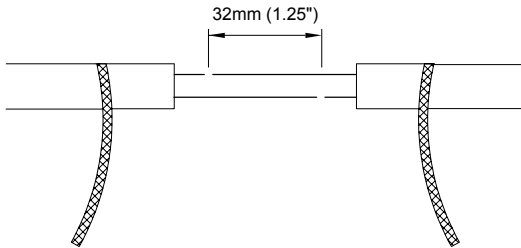
⚠ WARNING:
DO NOT CUT BUS WIRES

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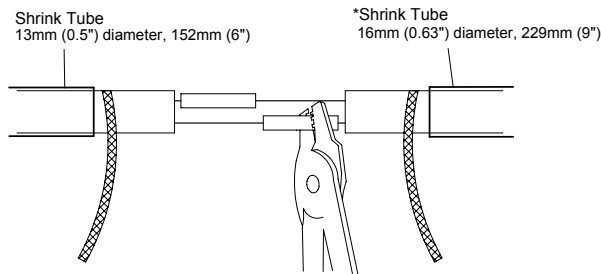
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SHRINK TUBE PROCEDURES



- 1 Position both heater cables with the ground braid on the same side. Remove 32mm (1.25") of bus wire from each heater cable to offset for insulated splice connectors.



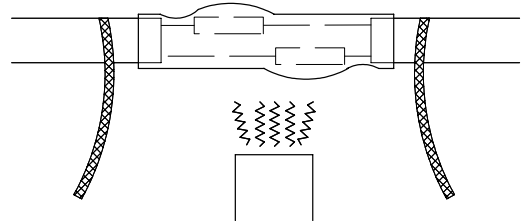
- 2 Slide one 13mm (0.5") diameter, 152mm (6") length shrink tube over one of the heater cables.

***For Overjacket Products only:**

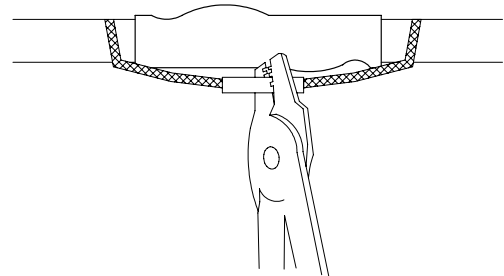
Slide one 16mm (0.63") diameter, 229mm (9") length shrink tube over the other heater cable.

See diagram above.

Crimp an insulated splice connector to each bus wire connecting the two heater cables together.

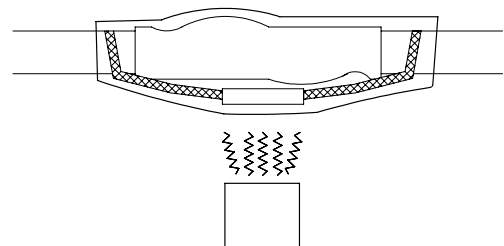


- 3 Center the 13mm (0.5") diameter, 152mm (6") length shrink tube over the connectors leaving the braid straps exposed. Shrink with heat gun until completely shrunk. A uniform bead of glue should appear around the ends of the shrink tube.



- 4 If necessary, cut excess length from braid straps. Crimp the braid straps together into an uninsulated splice connector. Secure the connector at the indented area with one and a half wraps of fiberglass tape (not included in kit).

***For Overjacket Products only:**



- 5 Center the 16mm (0.63") diameter, 229mm (9") length shrink tube over the splice and braid connection. Shrink with heat gun until completely shrunk. A uniform bead of glue should appear around the ends of the shrink tube.