

NELSON™ HEAT TRACING SYSTEMS

HCSK HEATER CABLE SEALING KIT

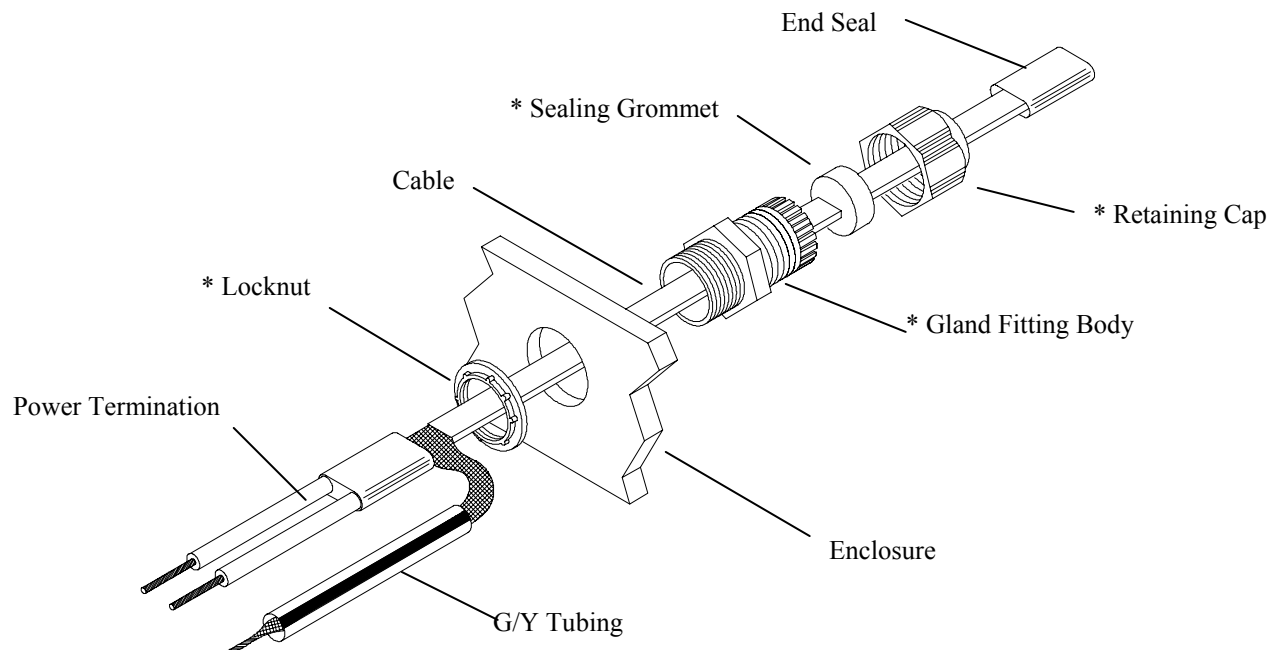
INSTALLATION INSTRUCTIONS

DESCRIPTION

The HCSK Heater Cable Termination Kit provides both end seal and power end seal to terminate a single length of heating cable. This kit is designed for use with all wattages of Nelson Heat Tracing Systems LT-J, LT-JT and HLT-J heater cables.

KIT CONTENTS

- 1 Power Termination, 101.6mm (4.00")
- 1 End Seal
- 1 Tube of Silicone
- 1 G/Y Tubing, 9.5 mm (0.38") diameter, 152mm (6") length



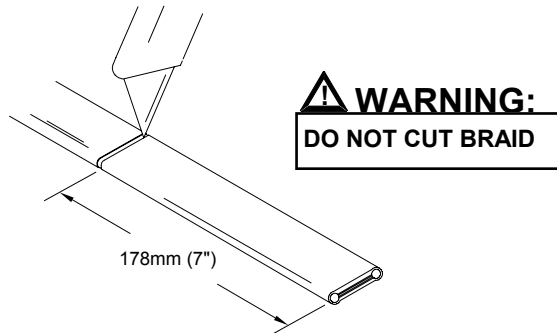
Terminate heating cable, see sheet 4.

NELSON™ HEAT TRACING SYSTEMS

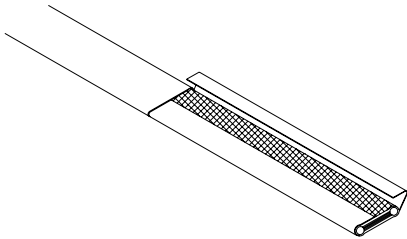
HCSK HEATER CABLE SEALING KIT

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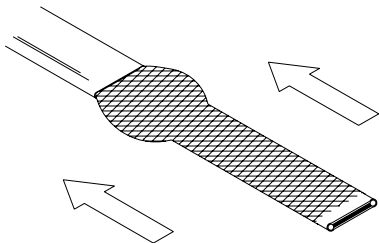
HEATING CABLE PREPARATION FOR NELSON LT-J, LT-JT & HLT-J PRODUCTS



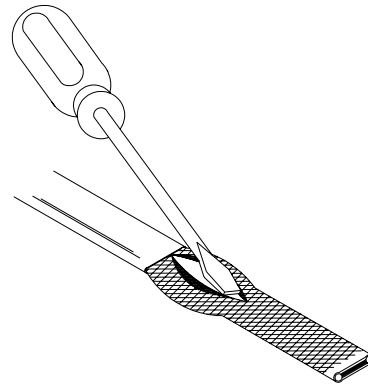
- ❶ Lightly cut around heater overjacket 178mm (7") from the end. Bend cable to break the overjacket.
- ❷ Lightly cut overjacket up the center between first cut mark and the cable end. Bend cable to break the overjacket.



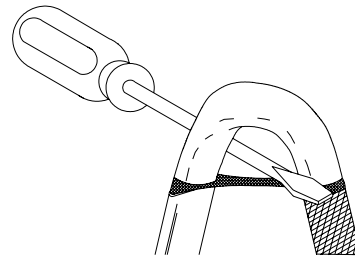
- ❸ Remove overjacket from heater cable.



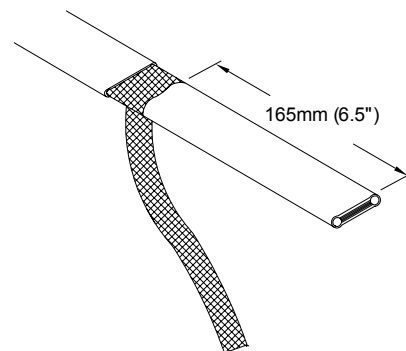
- ❹ Move braid back toward the overjacket, creating a bulge.



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



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



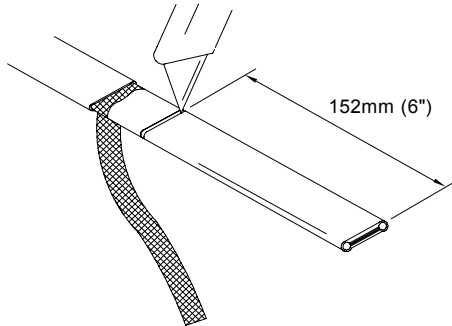
- ❼ Pull the braid tight.
- ❽ Proceed to "LT & HLT Products", sheet 3.

NELSON™ HEAT TRACING SYSTEMS

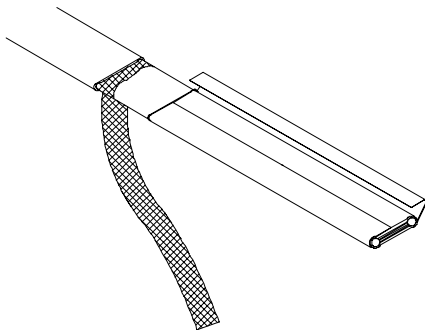
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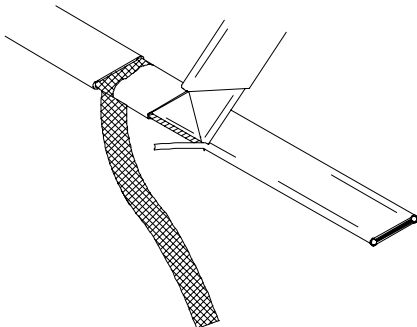
HEATING CABLE PREPARATION FOR NELSON LT-J, LT-JT & HLT-J PRODUCTS



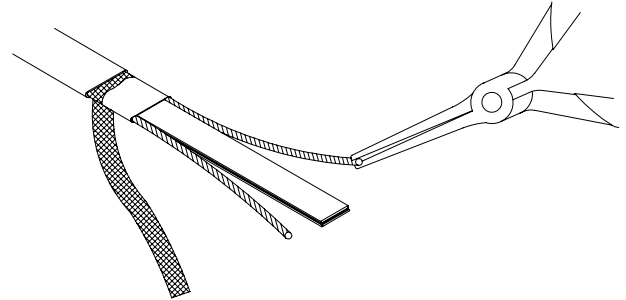
- ❶ Lightly cut around cable outer jacket 152mm (6") from the end. Bend cable to break outer jacket.
- ❷ Lightly cut the outer jacket up the center between the first cut mark & the cable end. Bend cable to break outer jacket.



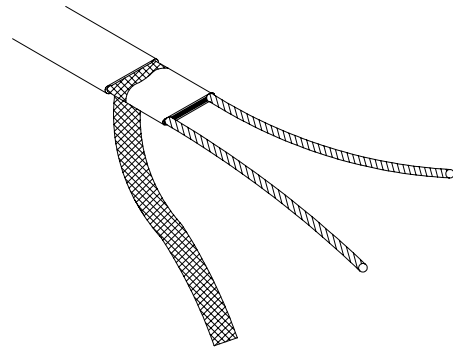
- ❸ Remove the jacket from the heater cable.



- ❹ Shave the 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 Cut 6mm (0.25") off the end of each bus wire.
- ❽ Proceed to "Power Termination" on sheet 5.

⚠ WARNING:
DO NOT CUT BUS WIRES

NELSON™ HEAT TRACING SYSTEMS

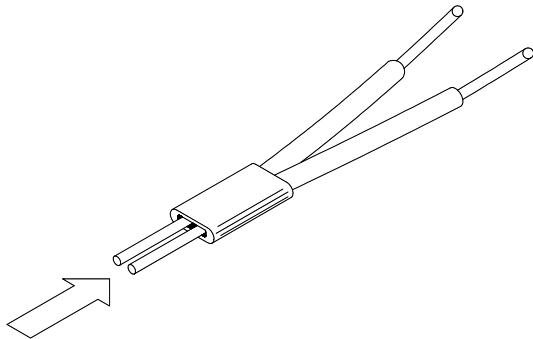
HCSK HEATER CABLE SEALING KIT

INSTALLATION INSTRUCTIONS

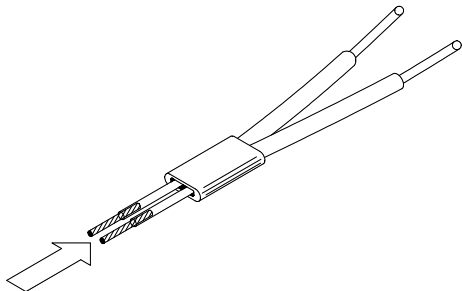
POWER TERMINATION INSTALLATION

WARNING:

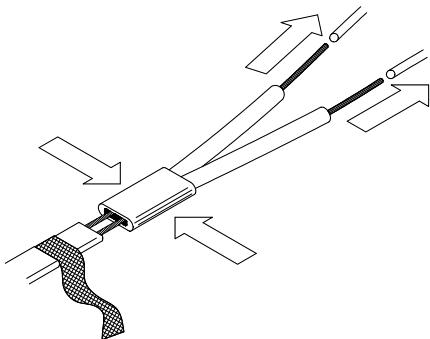
- Bus wires must not touch or cross while inserting into power termination.
- Only power terminations / end seals specifically approved for the vendors' style and type of heater cable must be used.



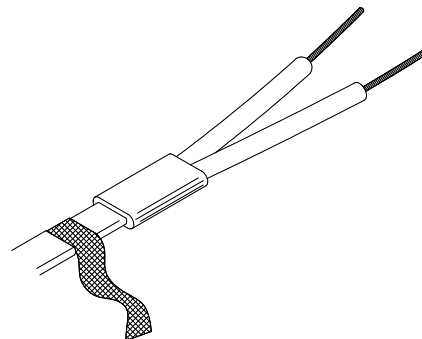
- ① Insert guide tubes into power termination fitting.



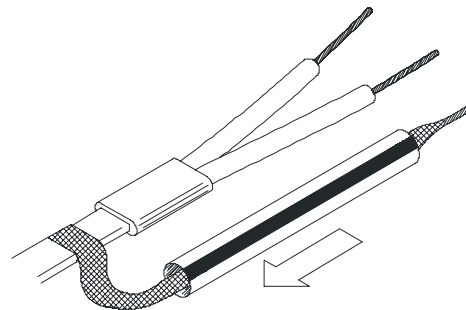
- ② Insert bus wires into guide tubes.



- ③ Remove guide tubes.
- ④ Squeeze power termination opening and fill with silicone.



- ⑤ Push power termination to overlap jacket.
- ⑥ The silicone will set up in about 30 minutes with a complete cure after 24 hours.



- ⑦ Slide green/yellow tubing over ground braid before terminating heater to customer supplied terminals.

WARNING:

- Do not megger or hi-pot until silicone is completely cured.
- Braid must be kept away from bus wires or shorting will occur.

NELSON™ HEAT TRACING SYSTEMS

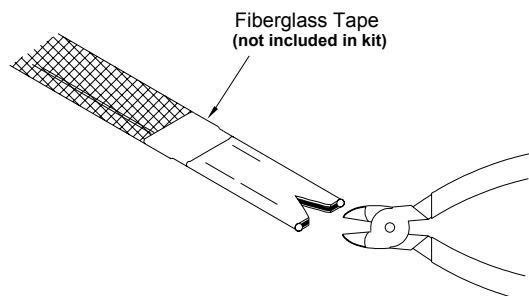
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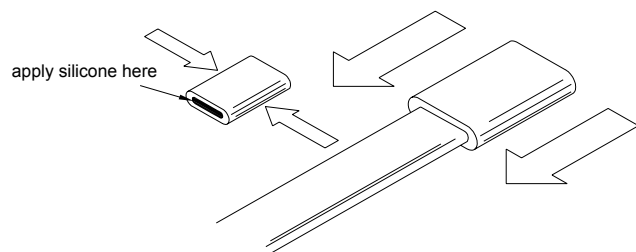
END SEAL INSTALLATION FOR NELSON LT-J, LT-JT & HLT-J PRODUCTS

WARNING:

Only end seals specifically approved for the vendor's style and type of heater cable must be used.



- ❶ Remove 13mm (0.5") of overjacket exposing the braid then remove the 13mm (0.5") of exposed braid.
- ❷ Make a 10mm (0.4") cut at the end of the heater cable.



- ❸ Squeeze the end seal and fill with silicone.
- ❹ Push end seal over the heater cable. The end seal should overlap the overjacket.
- ❺ The silicone will set up in about 30 minutes with a complete cure after 24 hours.