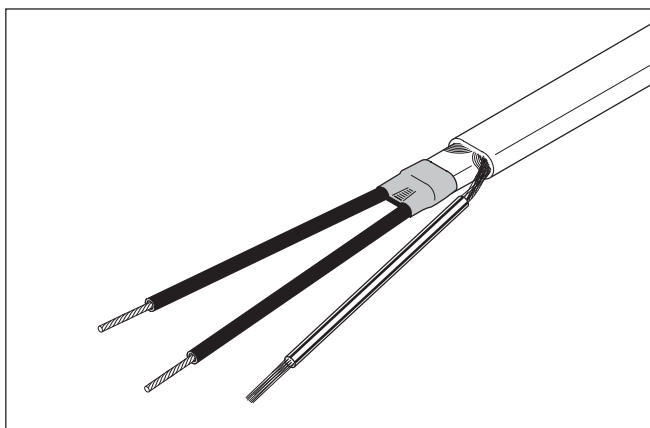


HCS-100-A

Core Sealer Kit Installation Instructions



APPROVALS

The HCS-100-A is UL Listed, FM approved, and CSA Certified for ordinary and hazardous locations when used as described above; UL Listing is for BTV and LBTV2 Heating Cable Systems Only.

KIT CONTENTS

Item	Qty	Description
A	2	Black heat-shrinkable tubes
B	1	Green/yellow heat-shrinkable tube
C	1	Clear yellow heat-shrinkable tube

⚠ WARNING:

This component is an electrical device which must be installed correctly to ensure proper operation and to prevent shock or fire. Read these important warnings and carefully follow all of the installation instructions.

- To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with Chemelex requirements and the 1996 National Electrical Code, ground-fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit breakers.

- Component approvals and performance are based on the use of specified parts only. Do not use substitute parts or vinyl electrical tape.
- The black heating cable core and fibers are conductive and can short. They must be properly insulated and kept dry.
- Damaged bus wires can overheat or short. Do not break bus wire strands when scoring the jacket or core.
- Keep components and heating cable ends dry before and during installation.

DESCRIPTION

The Raychem HCS-100-A is a heat-shrinkable heating cable core sealing kit. It may be optionally substituted for the CS-100 cold applied core sealer kit. It is for use with BTV-CR, BTV-CT, QTVR-CT, XTVR-CT, HTV-CT and LBTV2-CT. It is approved for use in Chemelex' JBS-100-A, C75-100-A, and all AutoMatrix connection kits that use the CS-100 (cold applied) core sealer. The HCS-100-A is the required core sealer for LBTV2-CT.

Materials for one core seal are included in this kit.

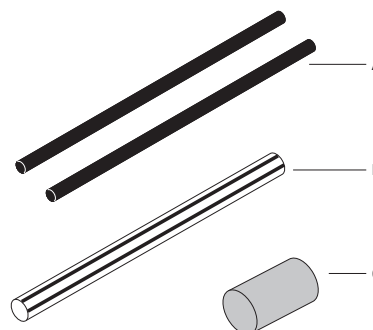
For technical support call Chemelex at (800) 545-6258.

TOOLS REQUIRED

- Heat gun or mini-torch
- Needle nose pliers

ADDITIONAL MATERIALS REQUIRED

- Suitable Chemelex connection kit and the additional materials required for that kit.



⚠ CAUTION:

HEALTH HAZARD. Over heating heat-shrinkable tubes will produce fumes that may cause irritation. Use adequate ventilation and avoid charring or burning. Consult MSDS RAY/3122 for further information.

CHEMTREC 24-hour emergency telephone:
(800) 424-9300

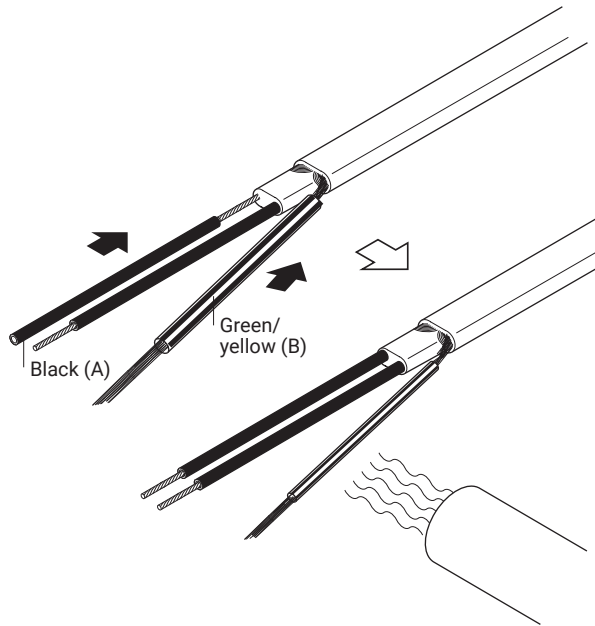
Non-emergency health and safety information:
(800) 545-6258.

- This product is for use only with the following heating cables: BTV, QTVR, XTVR, HTV and LBTV2 (-CR and -CT versions).
- Do not use with monitor wire or any other heating cables.

1

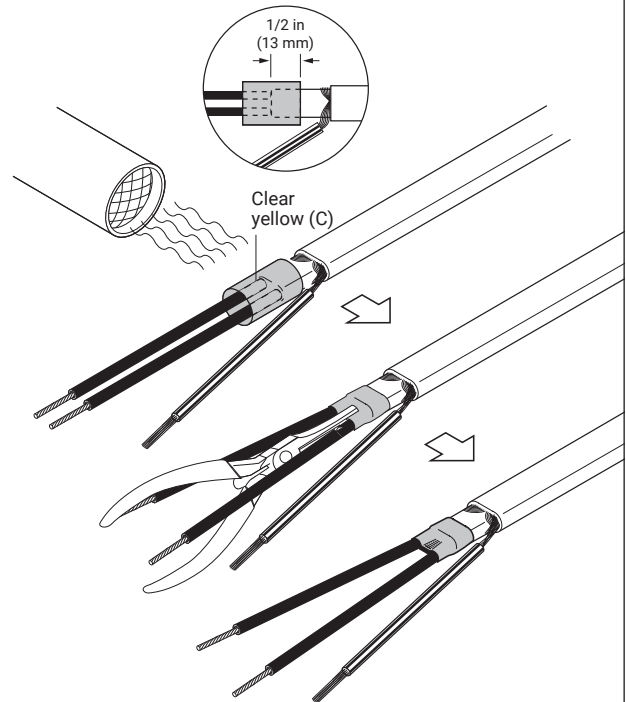
- Select the appropriate connection kit and additional required materials. Prepare the heating cable according to the instructions supplied with the connection kit. Disregard the instructions which refer to the cold applied core sealer—follow steps 2 and 3 below.

2



- Slide on heat-shrinkable tubes (A and B).
- Use heat gun or mini-torch with soft yellow flame to gently heat tubes until they shrink.

3



- Center clear yellow tube (C) over end of base jacket.
- Heat tube until it shrinks and adhesive flows out ends. While still hot, pinch between bus wires and hold for 5 seconds to create a seal.
- Complete installation per instructions supplied with connection kit.

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