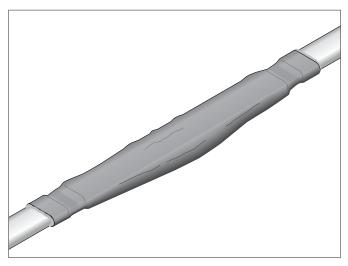


Raychem EMK-XS

ELECTROMELT SPLICE KIT INSTALLATION INSTRUCTIONS



DESCRIPTION

The EMK-XS Splice Kit is for use with EM2-XR and EM3-XR heating cables. Materials for one splice are included in the kit. This document should be used in conjunction with the ElectroMelt System Design Guide (H53393) and ElectroMelt System Installation and Operation Manual (H58086).

For technical support call Pentair Thermal Management at (800) 545-6258.

TOOLS REQUIRED

- Needle-nose pliers
- Utility knife
- Diagonal cutters
- Panduit CT-100 crimp tool
- Ideal 30-425 crimp tool
- Heat gun or propane torch

APPROVALS

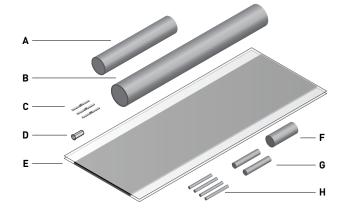




De-icing and snow melting equipment (EM2-XR only)

KIT CONTENTS

Item	Qty	Description
A	1	Heat-shrinkable tube: 1 x 6 in (25 x 152 mm)
В	1	Heat-shrinkable tube: 1 1/2 x 10 in (38 x 254 mm)
С	3	Noninsulated 18–14 AWG butt splices (1 spare)
D	1	Noninsulated wire connector
E	1	Mastic sheet: 3 x 12 in (76 x 305 mm)
F	1	Heat-shrinkable tube 1/2 x 1 3/8 in (13 x 35 mm)
G	2	Heat-shrinkable tubes 1/4 x 1 3/8 in (6 x 35 mm)
Н	4	Heat-shrinkable tubes 1/8 x 1 1/4 in (3 x 32 mm)



WARNING:

The heating cable is an electrical device that 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.

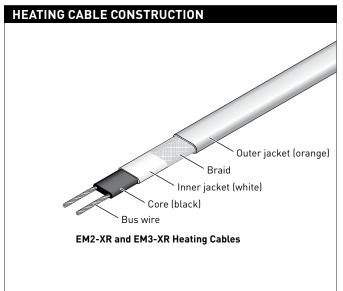
- To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with Pentair Thermal Management, agency certifications, and national electric codes, ground-fault equipment protection must be used. Arcing may not be stopped by conventional circuit breakers.
- Component approvals and performance are based on the use of Pentair Thermal Management specified parts only. Do not use substitute parts or vinyl electrical tape.
- The black heating-cable core is conductive and can short. It 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.
- Bus wires will short if they contact each other. Keep bus wires
- Heat-damaged components can short. Use a heat gun or a torch with a soft, yellow, low-heat flame, not a blue focused flame. Keep the flame moving to avoid overheating, blistering, or charring the heat-shrinkable tubes. Avoid heating other components. Replace any damaged parts.
- Megohmmeters operate at high voltage. This voltage is hazardous and possibly lethal. Read and follow all instructions included with the instrument you are using.

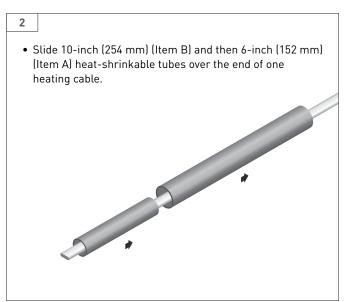
CAUTION:

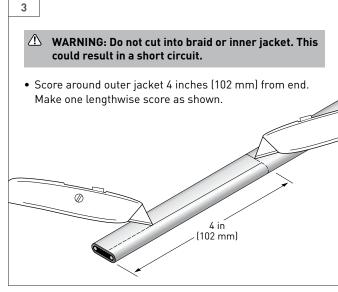
HEALTH HAZARD: Overheating heat-shrinkable tubes will produce fumes that may cause irritation. Use adequate ventilation and avoid charring or burning. Consult MSDS RAY3122 for further information. CHEMTREC 24-hour emergency telephone: (800) 424-9300

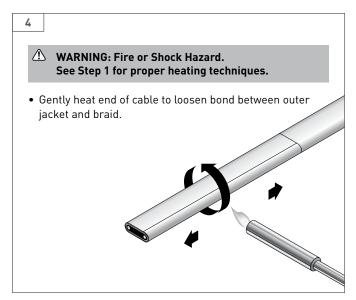
Non-emergency health and safety information: (800) 545-6258.

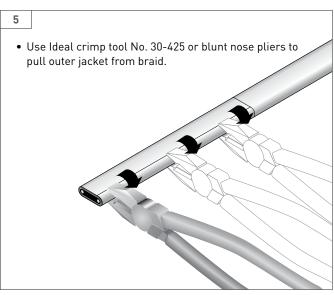


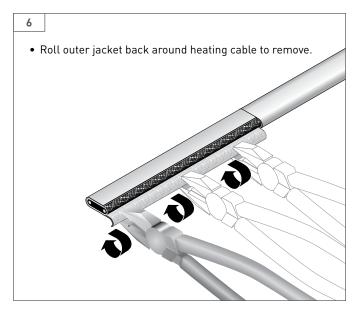


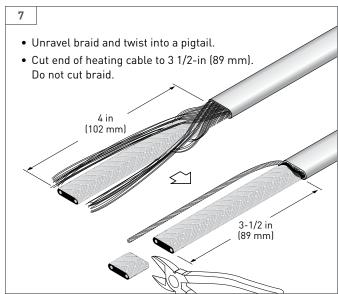


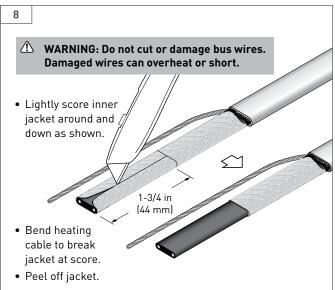


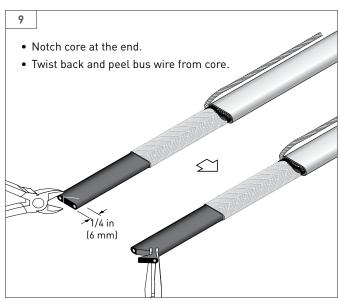


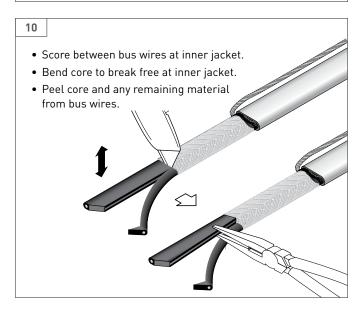


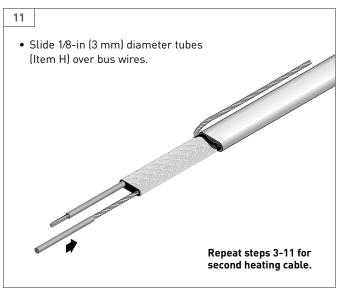


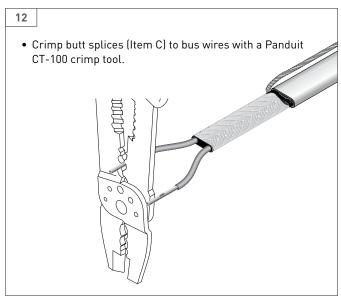


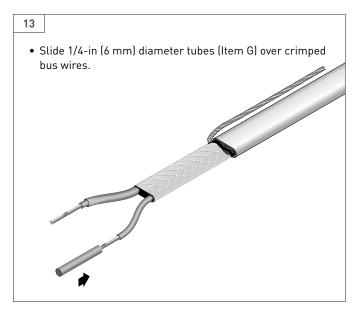


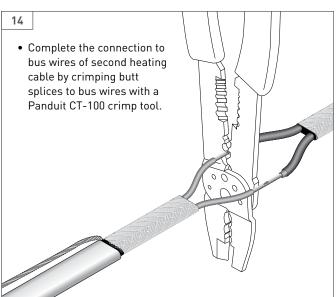


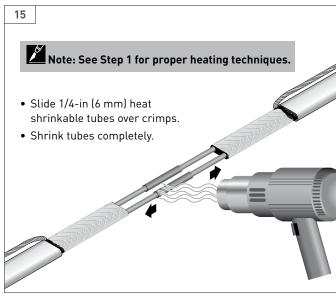


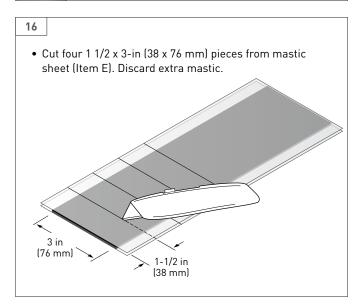


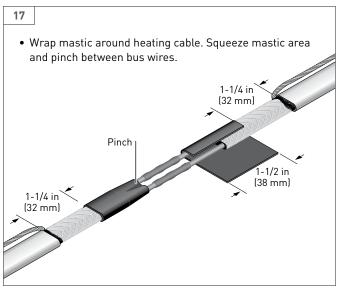


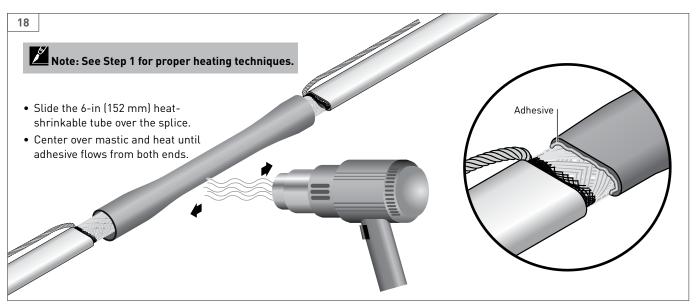


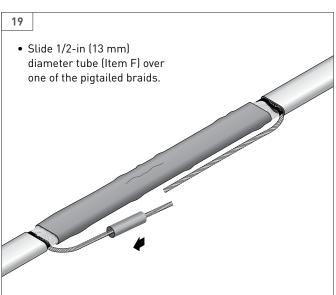


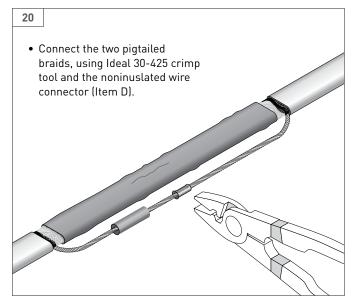


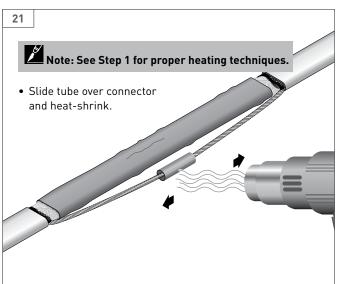


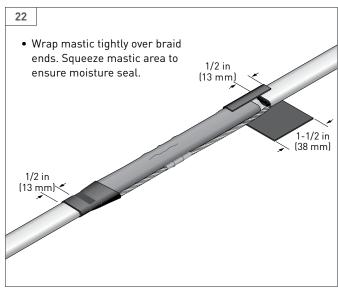


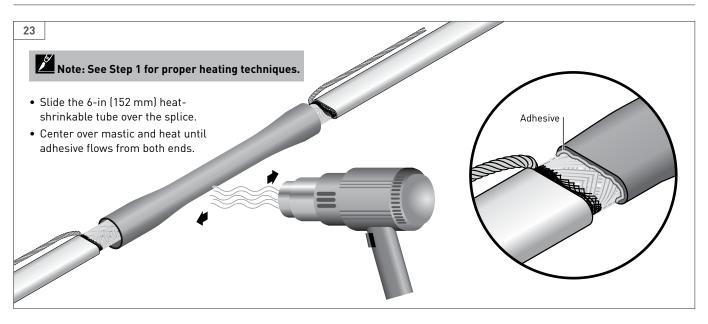


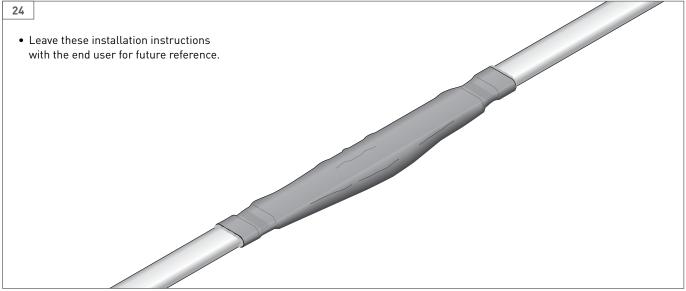














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