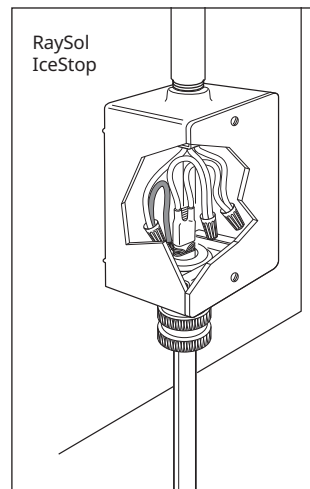
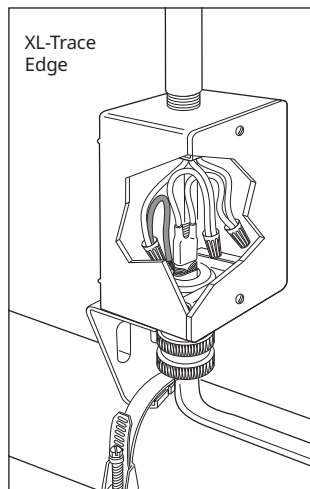
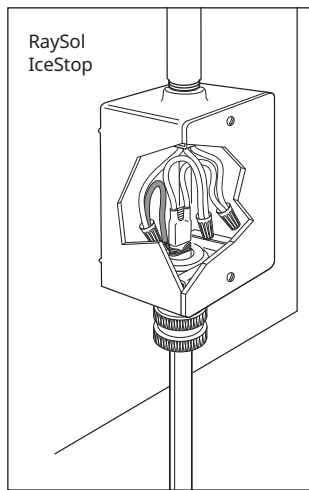
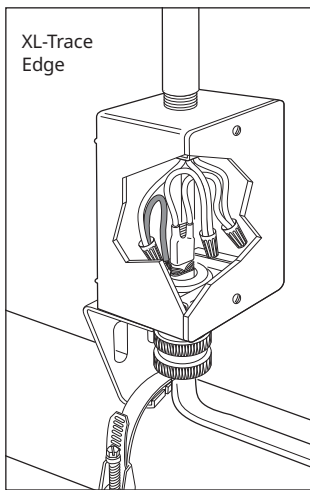


FTC-P

XL-Trace Edge, RaySol, and IceStop Power Connection Kit with End Seal Installation Instructions





APPROVALS



Pipe Heating Cable 718K, ALSO LISTED De-icing and Snow Melting Equipment 877Z, AND De-icing and Snow Melting Equipment FOR USE IN HAZARDOUS LOCATION E538285
Hazardous Location
Class I, Div. 2, Groups A, B, C, D T6
when installed with: GM-1XT and GM-2XT only
-40°C ≤ Tambient ≤ +40°C

TOOLS REQUIRED

- Screw driver
- Pen
- Needle-nose pliers
- Diagonal cutters
- Utility knife
- Heat gun or propane torch

ADDITIONAL MATERIALS REQUIRED (NOT PROVIDED IN THIS KIT)

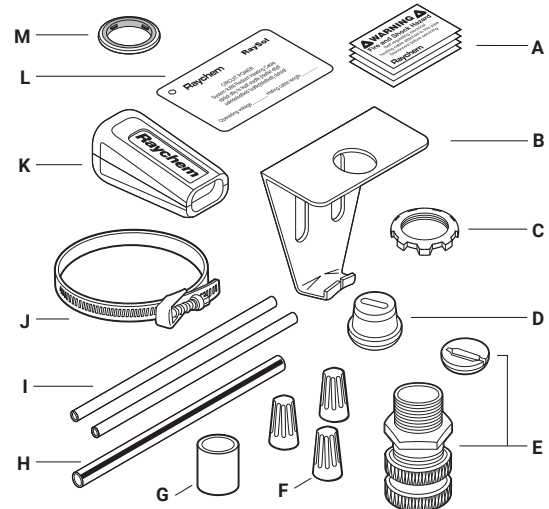
- Junction box is to be UL/C-UL certified or UL/CSA certified suitable for the location, with a clearance hole or threaded hub for ½ inch NPT. For RaySol applications, the power connection and end seal may be terminated in the same box.

DESCRIPTION

The nVent Raychem FTC-P Power Connection and End Seal Kit is for use with nVent RAYCHEM XL-Trace Edge, RaySol and IceStop heating cables. Materials for one power connection and one end seal are included in this kit. These installation instructions should be used in conjunction with the XL-Trace Edge, RaySol and IceStop System Installation and Operation Manuals. For technical support contact your nVent representative or call nVent at 800.545.6258.

KIT CONTENTS

Item	Qty	Description
A	4	Warning labels
B	1	Pipe mounting bracket
C	1	Lock nut
D	1	Blue grommet
E	1	Sealing fitting
F	3	Wire nuts
G	1	Black heat-shrinkable tube (½ in x 1½ in)
H	1	Green/yellow heat-shrinkable tube (¼ in x 5½ in)
I	2	Black heat-shrinkable tubes (⅜ in x 5½ in)
J	1	#3 pipe strap
K	1	Gel-filled end seal (FTC-E)
L	1	RaySol circuit tag
M	1	Sealing gasket



WARNING:

This component 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 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 the requirements of nVent, agency certifications, and national electrical codes, ground fault equipment protection must be used. Arcing may not be stopped by conventional circuit breakers.

- Bus wires will short if they contact each other. Keep bus wires separated.
- Keep components and heating cable ends dry before and during installation.
- The black heating cable core is conductive and can short. It must be properly insulated and kept dry.
- Component approvals and performance are based on the use of nVent- specified parts only. Do not use substitute parts or vinyl electrical tape.
- Leave these instructions with end user for reference and future use.

AVERTISSEMENT :

Le câble chauffant électrique doit être installé correctement pour éviter les risques d'incendie ou de décharge électrique. Lisez attentivement les mises en garde suivantes et suivez les instructions d'installation.

- Pour réduire le danger d'incendie causé par un arc électrique continu, si le câble chauffant est endommagé ou mal installé, et pour être conforme avec nVent, les organismes de certification et les codes applicables, il est impératif d'utiliser une protection par disjoncteur différentiel. Un disjoncteur ordinaire peut ne pas être assez sensible pour prévenir les arcs continus.
- Les fils omnibus peuvent être court-circuités s'ils se touchent. Tenez les fils omnibus éloignés les uns des autres

- Les composants et les terminaisons du câble chauffant doivent être tenus au sec avant et pendant l'installation.
- Le noyau du câble chauffant noir est conducteur et peut occasionner des courts-circuits. Il doit être correctement isolé et gardé à sec.
- Les homologations et les performances des composants sont basées sur l'utilisation de pièces spécifiées par nVent seulement. N'utilisez pas de pièces de rechange ou de ruban isolant en vinyle.
- Laisser ces instructions d'installation à l'utilisateur pour référence ultérieure.

CAUTION:

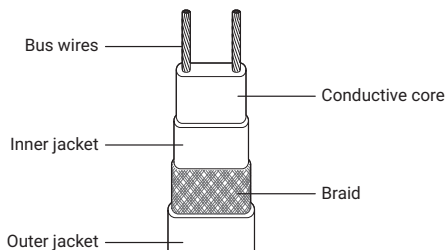
Health hazard: Overheating heat-shrinkable tubes will produce fumes that may cause irritation. Use adequate ventilation and avoid charring or burning. Consult MSDS RAY3122 for further information.
CHEMTREC 24-hour emergency telephone: (800) 424.9300
Non-emergency health and safety information: (800) 545.6258.

MISE EN GARDE :

Danger pour la santé : La surchauffe des gaines thermorétractables produit des fumées qui peuvent provoquer des irritations. Utilisez une ventilation adéquate et évitez de les carboniser ou de les brûler. Consulter les fiches techniques santé-sécurité RAY3122 et ITCSN pour plus d'informations.
Téléphone en cas d'urgence 24 heures sur 24 de CHEMTREC : 800.424.9300
Renseignements non urgents en matière de santé et de sécurité : 800.545.6258.

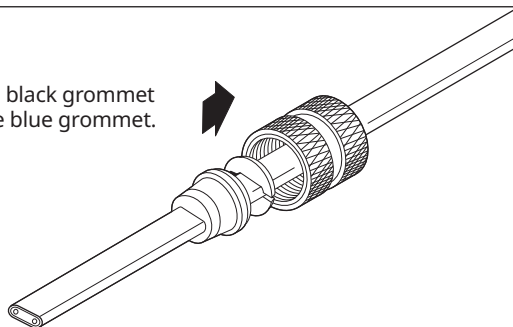
POWER CONNECTION INSTALLATION

XL-Trace Edge-CR and -CT, RaySol, and IceStop

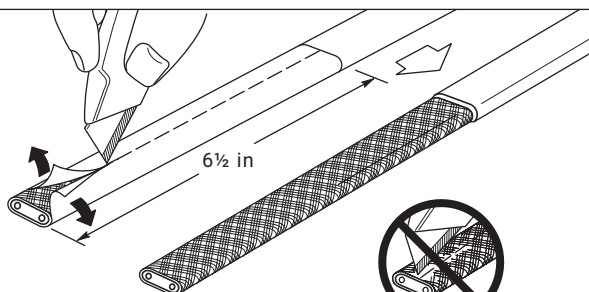


1

- Discard black grommet and use blue grommet.

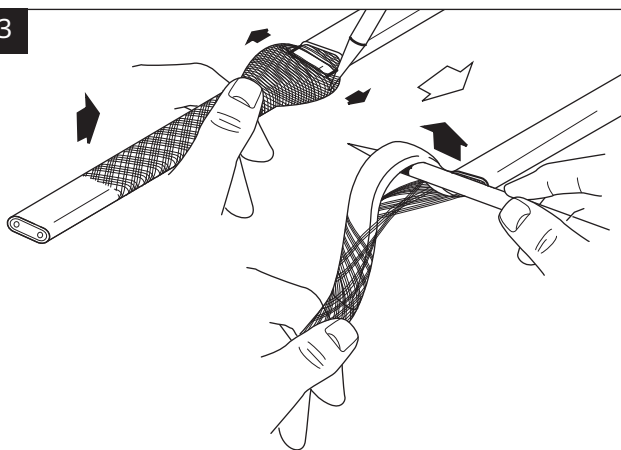


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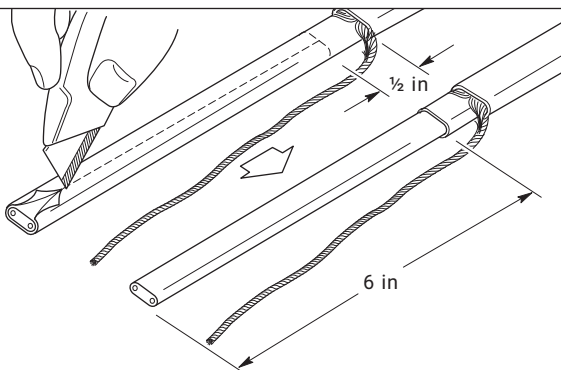


Do not cut through braid or inner jacket.
Ne coupez pas la tresse ou la gaine intérieure.

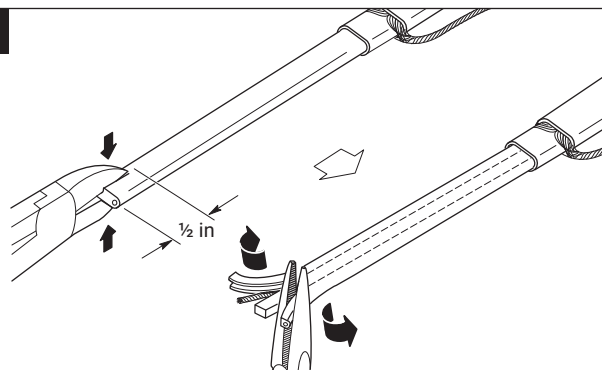
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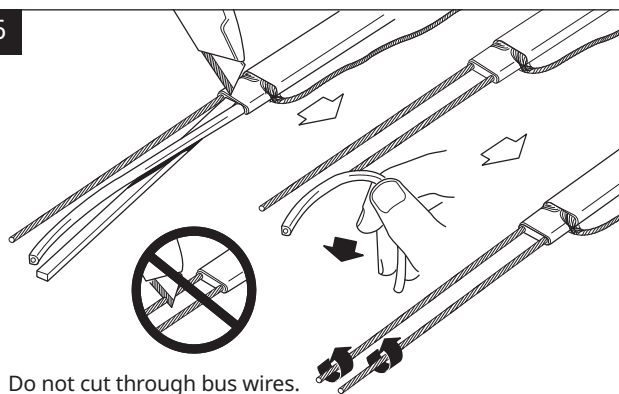
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5



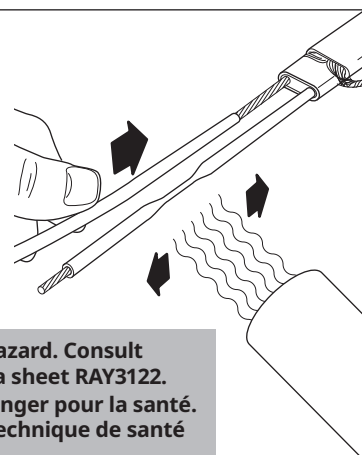
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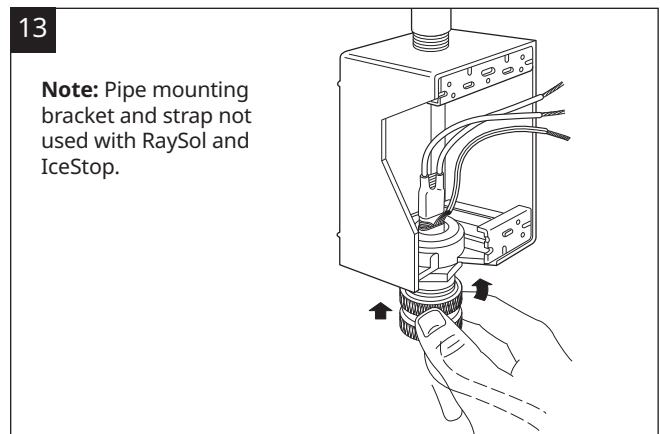
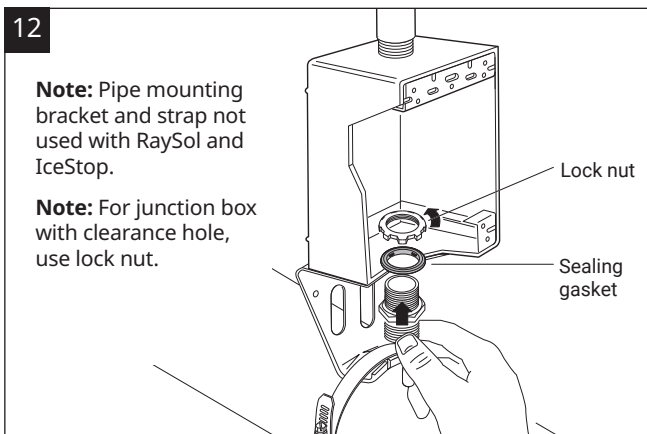
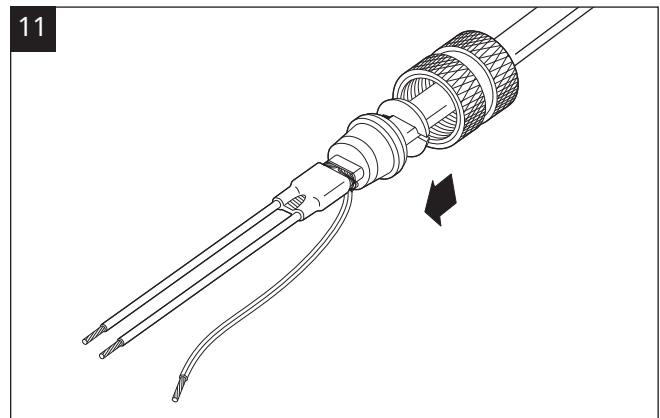
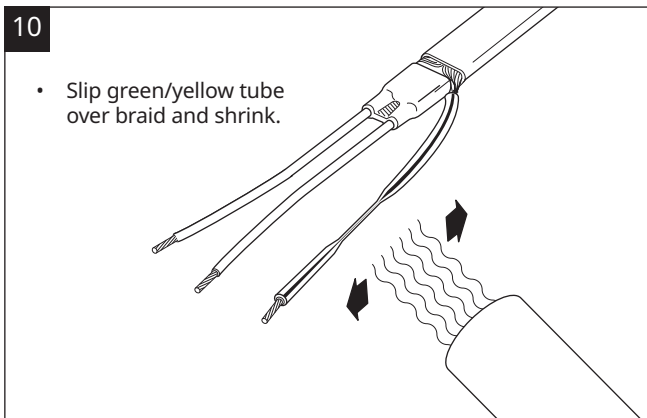
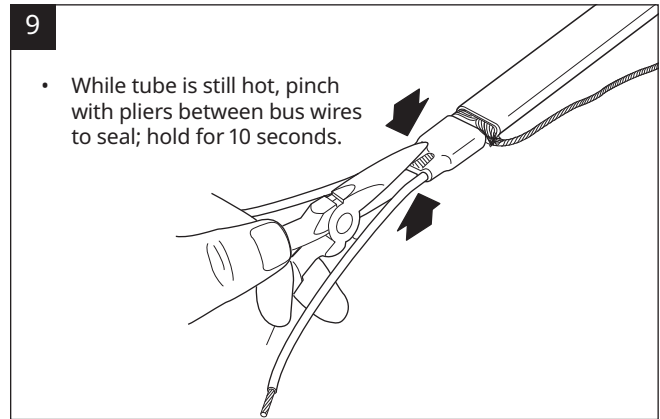
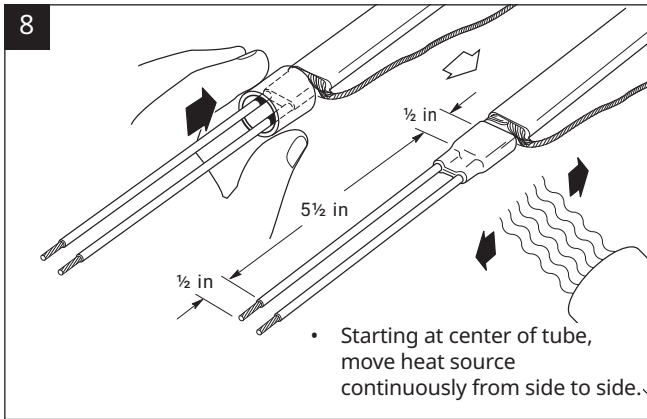
Do not cut through bus wires.
Ne coupez pas ou n'endommagez pas les fils omnibus.

7

- Slide heat-shrinkable tubes over end of cable.
- Starting from the center of the tube, move the heat source continuously from side to side.

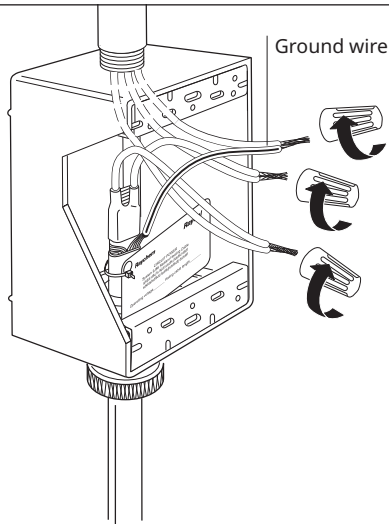


⚠ CAUTION: Health Hazard. Consult material safety data sheet RAY3122.
⚠ MISE EN GARDE : Danger pour la santé. Consulter la Fiche technique de santé et sécurité RAY3122.



14

- Attach circuit tag to heating cable (RaySol only).



15

- Apply appropriate warning label to junction box cover:
IceStop = Yellow
RaySol = Orange
XL-Trace Edge = Orange



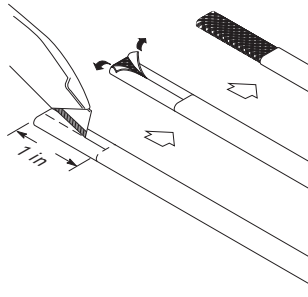
⚠ **WARNING:** For IceStop system, junction box must be installed on exterior of building. Heating cable must not be installed inside building, in conduit or under any form of insulation to minimize risk of fire.

⚠ **AVERTISSEMENT :** Pour le système IceStop, la boîte de jonction doit être installée à l'extérieur du bâtiment. Le câble chauffant ne doit pas être installé à l'intérieur d'un bâtiment, dans un conduit ou sous une forme quelconque d'isolation afin de réduire le risque d'incendie.

END SEAL INSTALLATION FOR XL-TRACE EDGE-CR AND -CT, RAYSOL, AND ICESTOP HEATING CABLES

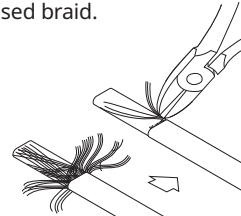
1

- Score down and around outer jacket 1 inch from the end.
- Remove the outer jacket.
- Do not cut or damage inner jacket. If damaged, remove damaged section and repeat step 1.



2

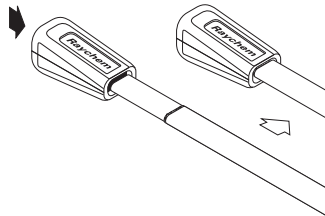
- Remove exposed braid.



3

- Push end seal completely onto heating cable.

Note: The end seal is designed to be installed only once; it cannot be removed from the heating cable once installed. Do not use until ready for final installation.





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