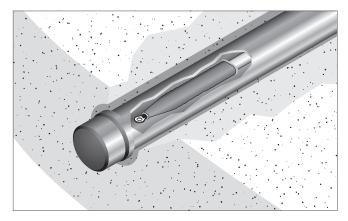


RAYCHEM

FHP-PL-E

End seal kit with pulling lug for FHP-2, FHP-3 and FHPC heating cables Installation Instructions



APPROVALS

Hazardous Locations

Baseefa04ATEX0388X



II 2 GD Ex e II T* (see schedule) Ex tD A21 IP66 T**°C

IECEx BAS 05.0022X Ex e II T* (see schedule) Ex tD A21 IP66 T***C



Ex e II T $^{(1)}$

⁽¹⁾ T-class by Design

FHP-2 and FHP-3

Baseefa06ATEX0187X



II 2 GD Ex e IIC T6 or T4 Gb Ex tD A21 IP66 T80°C or T130°C

IECEx BAS 06.0047X Ex e IIC T6 or T4 Gb Ex td A21 IP66 T80°C or T130°C

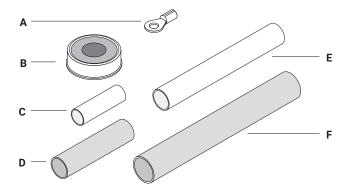
DESCRIPTION

nVent RAYCHEM FHP-PL-E is a heat-shrinkable pulling lug end seal for use with nVent RAYCHEM FHPC constant wattage power density (parallel constant wattage) heating cables and FHP-2 and FHP-3 self-regulating heating cables in frost heave prevention applications. This kit includes materials to make one end seal assembly.

This kit may be installed at temperatures as low as -60° C (-76° F). For easier installation, store above freezing until just before installation. For technical support, call nVent at (800) 545-6258.

KIT CONTENTS

Item	Qty	Description
Α	1	Pulling lug
В	1	Teflon® tape
С	1	Adhesive tube 38 mm (1 1/2 in) long
D	1	Heat-shrinkable tube 60 mm (2 3/8 in) long
E	1	Adhesive tube 111 mm (4 3/8 in) long
F	1	Heat-shrinkable tube 135 mm (5 3/8 in) long



TOOLS REQUIRED

- Wire cutters
- · Torch or heat gun
- · Utility knife
- · Thomas & Betts WT2000 crimp tool or equivalent

/ 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 of the installation instructions.

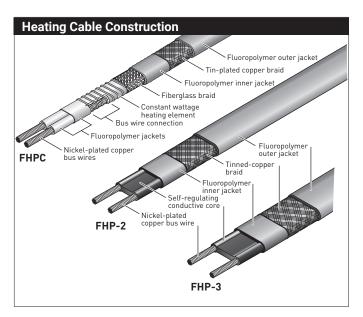
- To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of nVent Thermal Management, agency certifications, and national electrical codes, ground-fault equipment protection must be used. Arcing may not be stopped by conventional circuit breakers.
- Component approvals and performance are based on the use of nVent Thermal Management-specified parts only. Do not use substitute parts or vinyl electrical tape.
- Conductors will short if they contact each other. Keep conductors separated.
- Keep components and heating cable ends dry before and during installation.
- Heat guns or torches can cause fire or explosion in hazardous areas. Be sure there are no flammable materials or vapors in the area before using these tools.
- Heat-damaged components can short. Use a heat gun or torch with a soft, yellow, low-heat flame. Keep the flame moving to avoid overheating, blistering or charring the heat-shrinkable tubes. Replace damaged end seals or heating cable.

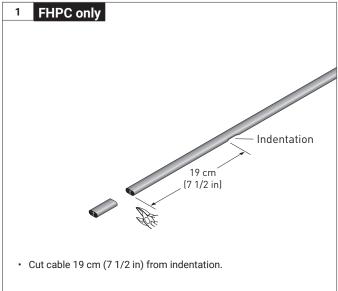
CAUTION:

HEALTH HAZARD: Overheating heat-shrinkable tubes will produce furnes that may cause irritation. Use adequate ventilation and avoid charring or burning. Consult MSDS RAY3122 for further information.

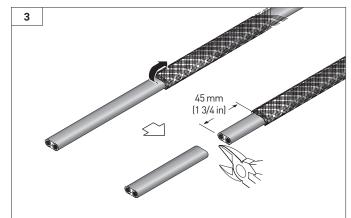
CHEMTREC 24-hour emergency telephone: (800) 424-9300

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

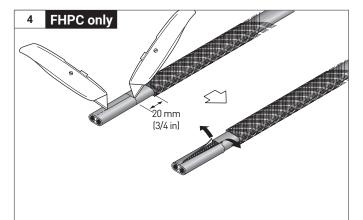




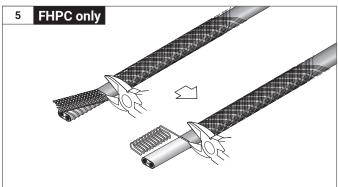




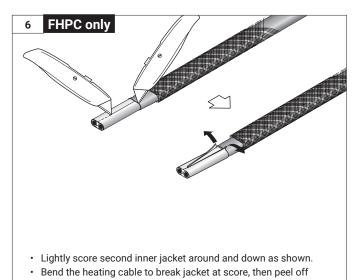
- · Lightly score outer jacket around and down as shown.
- Bend the heating cable to break jacket at score, then peel off
- · Pull braid back over outer jacket to expose the inner jacket. Do not cut off the braid wires.
- · Cut off end of heating cable as shown.
- · For FHP-2 and FHP-3, go to Step 8.

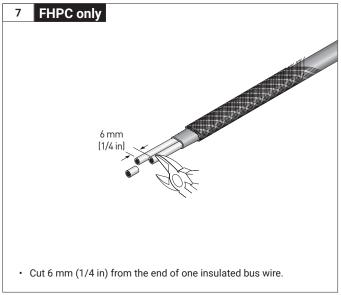


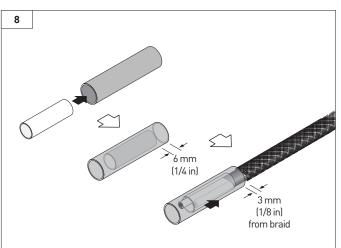
- · Lightly score inner jacket around and down as shown.
- Bend the heating cable to break jacket at score, then peel off



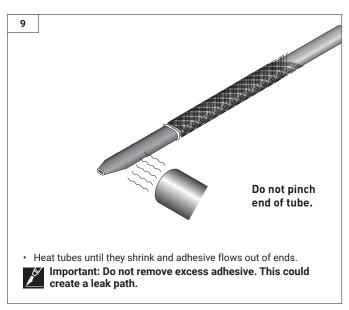
- · Remove fiber braid.
- Remove heating element. Cut flush with edge of outer jacket.

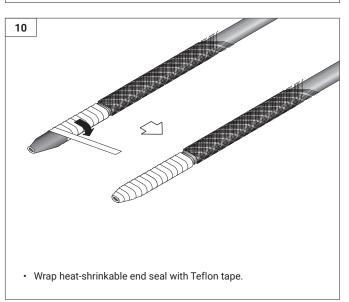


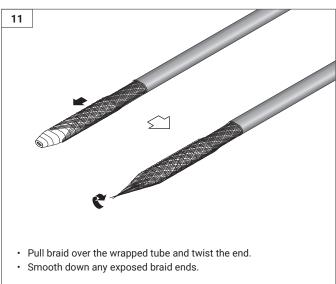




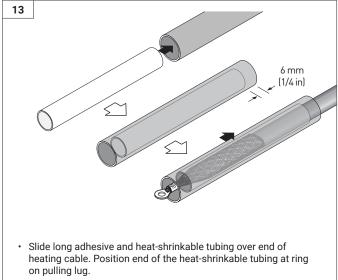
- · Position short adhesive tube inside short black tube.
- Position the assembly so that large tube is 3 mm (1/8 in) from braid and outer jacket. Tubing overlaps the inner jacket.

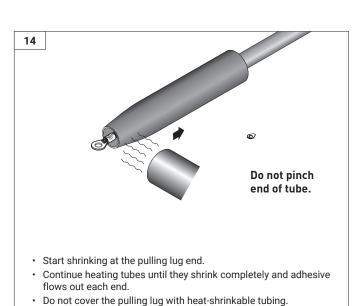


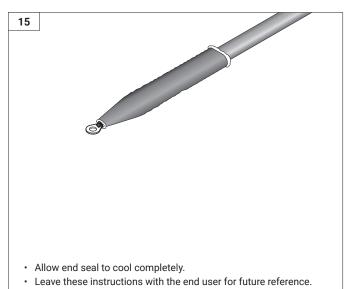












North America

Tel: +1.800.545.6258 Fax: +1.800.527.5703 thermal.info@nVent.com

Europe, Middle East, Africa

Tel: +32.16.213.511 Fax: +32.16.213.603 thermal.info@nVent.com

Asia Pacific

Tel: +86.21.2412.1688 Fax: +86.21.5426.2937 cn.thermal.info@nVent.com

Latin America

Tel: +1.713.868.4800 Fax: +1.713.868.2333 thermal.info@nVent.com



nVent.com