

## For Residential, Commercial and Snowmelt Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Compression Repair Kit

## RadiantPEX-AL Connection

Sizes: 1/2", 5/8", 3/4", 1"

Compression fittings are designed to be used in radiant heating and snowmelting applications, with water or water/glycol solutions. Compression fittings are designed to be used solely with RadiantPEX-AL tubing. No other tubing type may be used.

### Specifications

System shall be installed using Watts RadiantPEX-AL tubing and fittings. All connections shall be made in accordance with corresponding installation guidelines.

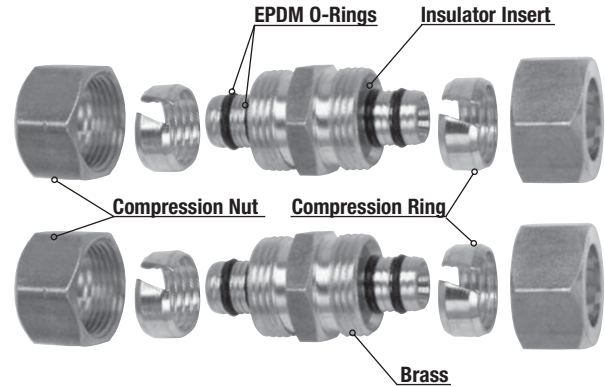
Connections shall use Watts Radiant Compression fittings and RadiantPEX-AL composite cross-linked polyethylene tubing.

Material	Properties
Insert Barb/Compression Nut	Brass
Compression Ring	Brass
O-Rings	EPDM
Insulator	Polyethylene
Nominal Barb Size	1/2", 5/8", 3/4", 1" od
Connection Type	Sweat or NPT
Max. Operating Temperature	180°F
Max. Operating Pressure	100 psi

### Installation

RadiantPEX-AL must be installed in accordance with all Watts Radiant installation procedures, including information provided in the RadiantPEX-AL installation manual and guidelines.

- Cut a clean, square end to the tube.
- Use the Reamer tool to shape and prep the tubing.
- Slide the compression nut over the tubing.
- Slide the compression ring over the tubing.
- Make sure the insulator insert is in place at the base of the fitting.
- Slide the tubing over the fitting. Make sure the tubing is seated against the insulator insert.
- Slide the compression nut up and begin threading it onto the base. The compression ring will automatically be positioned over the fitting.
- Use a box-end wrench to complete the connection (**do not use a crescent wrench**). Tighten the connection until snug and then an additional 1/4 turn.



Compression Fitting Repair Kit

### Standards and Listings



Manufactured in accordance with American society for Testing and Materials (ASTM) F-1281.



Carries the UPC certification mark, as approved by the International Association of Plumbing and Mechanical Officials (IAPMO).

### Compression Fittings (☑ all that apply)

<input checked="" type="checkbox"/>	Description	Qty	Part #	Order #
<input type="checkbox"/>	1/2" Compression Repair Kit	2	RLC16B-08	81007737
<input type="checkbox"/>	5/8" Compression Repair Kit	2	RLC16B-10	81007738
<input type="checkbox"/>	3/4" Compression Repair Kit	2	RLC16B-12	81007739
<input type="checkbox"/>	1" Compression Repair Kit	2	RLC16B-16	81007740

### CAUTION:

**Use of materials not supplied by Watts Radiant to make a repair connection may eventually result in leaks. RadiantPEX-AL and fittings are engineered to work together. Watts Radiant extends no warranty – expressed or implied – to any failure or damage of any kind resulting from use of materials not supplied by Watts Radiant.**

**Fittings should not be installed when the ambient temperature is below 30°F (0°C).**

**Compression fittings are for heating applications only. Do not use compression fittings for potable applications.**



USA: 4500 East Progress Place, Springfield, MO 65803; www.wattsradiant.com  
Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca