

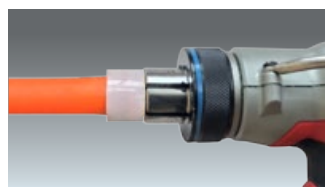
RadiantPERT™

Polyethylene Raised Temperature Tubing with Oxygen Barrier

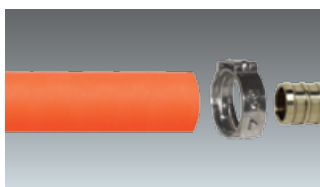
PE-RT stands for Polyethylene Raised Temperature. RadiantPERT is a 5-layer PE-RT (polyethylene raised temperature) tubing used for radiant heating, cooling, snow melting, and distribution piping. RadiantPERT is manufactured with Dowlex™ 2344, which offers high strength, high temperature resistance, and long life without cross-linking.

RadiantPERT is the next step in the evolution of flexible plastic pipe and is the strongest flexible pipe on the market today when compared to alternative materials.

RadiantPERT offers the greatest range of fitting flexibility:



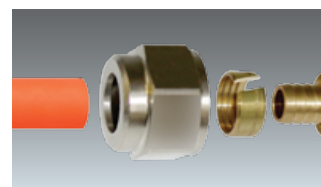
ASTM F1960 Cold Expansion



CinchClamps



CrimpRings



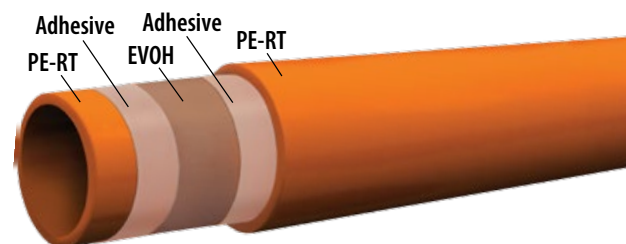
Compression

Superior Protection

RadiantPERT is manufactured with an integral ethylene vinyl alcohol (EVOH) DIN Standard O₂ barrier that limits oxygen diffusion through the walls of the tubing.

The outer layer or RadiantPERT adds several benefits:

- Easier to pull through joists
- Reduces expansion noise in walls and floors
- Protects the oxygen barrier from job-site abuse
- Protects the oxygen barrier against moisture



Description	Model #	Order#	lbs.
3/8" RadiantPERT x 600' Coil	PT032061-600	81016322	25
1/2" RadiantPERT x 300' Coil	PT-032081-300	81016323	16
1/2" RadiantPERT x 1000' Coil	PT-032081-1000	81016324	54
5/8" RadiantPERT 20' sticks, bundle of 25	PT032101-20	81019671	51
5/8" RadiantPERT x 100' Coil	PT032101-100	81019452	8
5/8" RadiantPERT x 300' Coil	PT032101-300	81019453	23
5/8" RadiantPERT x 500' Coil	PT032101-500	81016325	38
5/8" RadiantPERT x 1200' Coil	PT032101-1200	81016326	91
3/4" RadiantPERT 20' sticks, bundle of 25	PT032121-20	81016357	51
3/4" RadiantPERT x 300' Coil	PT032121-300	81016327	31
3/4" RadiantPERT x 500' Coil	PT032121-500	81016328	51
3/4" RadiantPERT x 1200' Coil	PT032121-1200	81016329	122
1" RadiantPERT 20' sticks, bundle of 5	PT032161-20	81016358	18
1" RadiantPERT x 300' Coil	PT032161-300	81016330	50

All RadiantPERT carries a 25-year warranty for residential and commercial heating and snow melting applications.

Codes, Listings and Standards

RadiantPERT is certified to ASTM F2623 for Polyethylene of Raised Temperature (PE-RT) SDR 9 Tubing by NSF and CSA. This standard includes requirements and testing methods for materials, workmanship, dimensions, sustained hydrostatic pressure strength, and bend strength.

RadiantPERT meets or exceeds these standards.

- Tested and listed to NSF-14 (rfh) and NSF U.M. Code
- Maximum operating temperature and pressure:
 - 160 psi at 73°F, 80 psi at 180°F
- ICC rfh
- CSA ASTM F2623
- PPI TR-4 listing at 73°F and 180°F
- Certified to the Uniform Mechanical Code by NSF.

