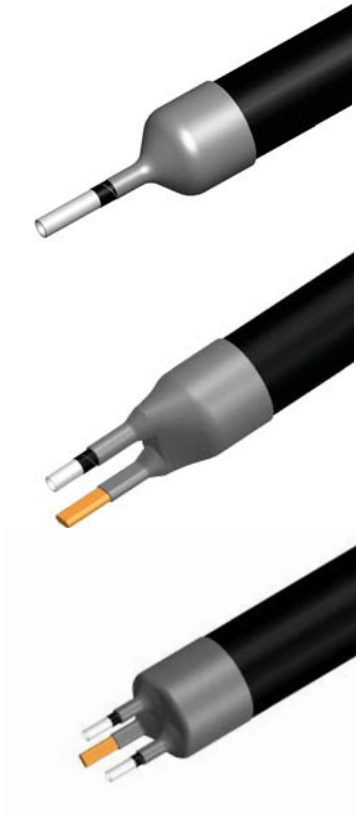
FAK10A-B-C: Heat Shrink Seal for Tubing Bundles

INSTALLATION PROCEDURES



The Heat Tracing Specialists®

FAK-10A-B-C: Heat Shrink Seal

The FAK-10ABC: Heat Shrink Seal is designed to make a waterproof seal over the end of TubeTrace or ThermoTube tubing bundles. Kit will make one end seal. See separate instructions for details on terminating heating tracing.

Receiving, Storing and Handling . . .

1. Upon receiving heat shrink seal, check to make sure the proper type has been received.
2. Inspect materials for damage incurred during shipping.
3. Report damages to the carrier for settlement.

FAK-10A-B-C: Heat Shrink Seal . . .

FAK-10A-B-C: Heat Shrink Seal Contents. . .

Item	Quantity	Description
1	1	FAK 10A Single Leg Heat Shrink Seal
2	1	FAK 10B Two Leg Heat Shrink Seal
3	1	FAK 10C Three Leg Heat Shrink Seal

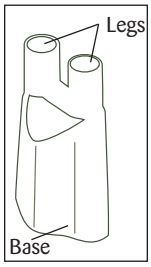
Order Separately[1] For Intermediate Temperatures 126°C - 204°C (258°F - 400°F). . .

Item	Quantity	Description
4	1	Self Vulcanizing Tape (Roll) PN40027

Notes:

1. For applications with process temperatures between 126°C to 204°C (258°F to 400°F) self vulcanizing tape must be utilized. Each roll contains sufficient materials for approximately fifteen (15) end seals. For applications above 204°C (400°F) refer to FAK-SSHT.

Description	Number of Legs	Base I.D. inch		Legs I.D. inch		TubeTrace Max. O.D. in. (mm)
		Before Shrinkage	After Shrinkage	Before Shrinkage	After Shrinkage	
FAK 10-A	1	2.00	0.375	2.00	0.375	1.95
FAK 10-B	2	2.00	1.40	0.75	0.350	1.95
FAK 10-C	3	2.40	1.40	1.13	0.500	2.35



Applications . . .

1. Thermon FAK-10A Heat Shrink Seal is to be used on bundles up to 50.1mm (2”) diameter and single tube 13mm (1/2”).
   Note: Maximum Operating Temperature 125°C (257°F)[1].
2. Thermon FAK-10B Heat Shrink Seal is to be used on SE or SP bundles up to 49.5mm (1.95”).
   Note: Maximum Operating Temperature 125°C (257°F)[1].
3. Thermon FAK-10C Heat Shrink Seal is to be used on ME or MP bundles up to 59.5mm (2.35”).
   Note: Maximum Operating Temperature 125°C (257°F)[1].

Installation Precautions . . .

- Keep ends of tube bundles, heat tracing and kit components dry before and during installation.
- For SE/ME electrically heated tubing de-energize all power sources before addressing circuit termination and power connection.
- Component approvals and performance ratings are based on the use of Thermon specified parts only. User supplied power connection fittings must be listed or certified for intended use.
- To minimize the potential for arcing in TubeTrace SE/ME bundles. The National Electrical Code (NEC) and Canadian Electrical Code (CEC) require ground-fault protection of equipment for each branch circuit supplying electric heat tracing.
- Installation must comply with Thermon requirements and be installed in accordance with the NEC, CEC, or any applicable national and local codes.
- Individuals installing these products are responsible for complying with all applicable safety and health guidelines. Proper Personal Protective Equipment (PPE) should be utilized during installation. For additional information, contact Thermon.

Tools Required . . .

Heat Gun

Utility Knife

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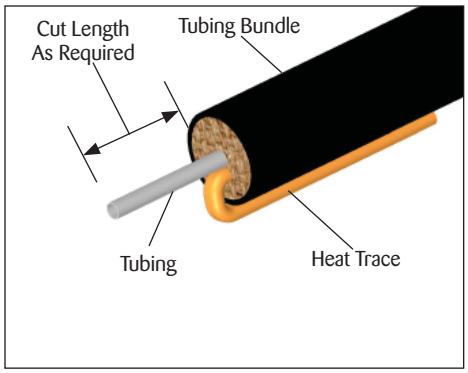
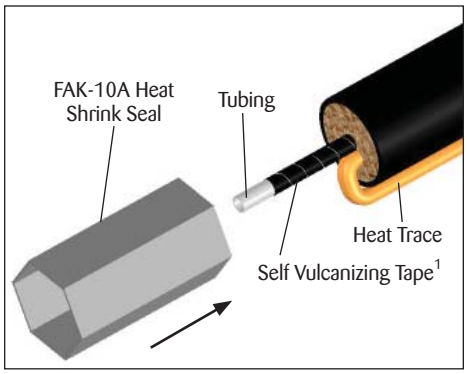
FAK-10A . . .



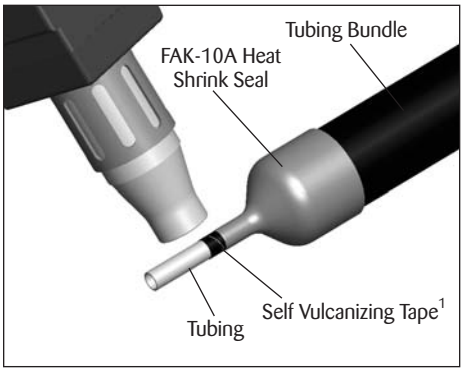
1A. Cut back jacket and insulation to expose desired tube length.

Note:
For SE/ME bundles, laying the heat trace back on the TubeTrace jacket may require additional precautions for sealing. Consider applying Thermon RTV-2 adhesive (PN54004) to prevent moisture intrusion or the FAK-10B (see step 2B).



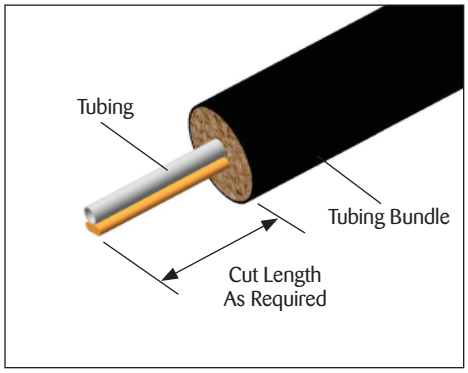
2A. Place the heat shrink seal over the end of the tube bundle and apply heat to shrink.

Note:
1. For applications with process temperatures between 126°C to 204°C (258°F to 400°F), wrap tubing with 3 wraps of self vulcanizing tape (50% overlap).

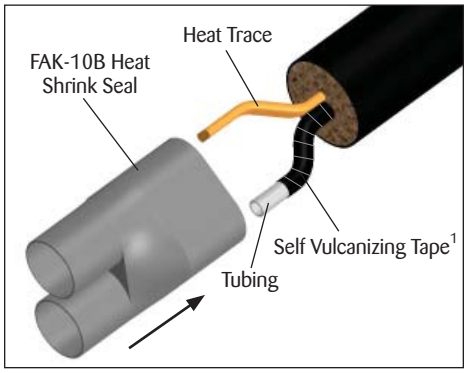


3A. Heat until heat shrink seal is conformed and sealed to tube bundle outer jacket and tubing.

FAK-10B . . .

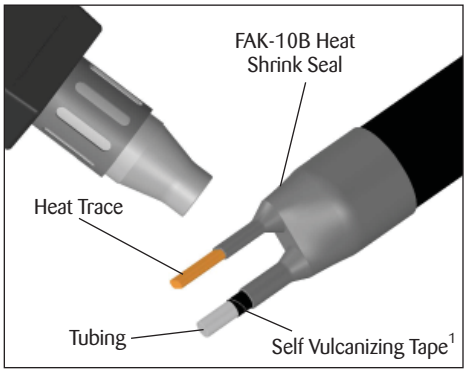


1B. Cut back jacket and insulation to expose desired tube length.



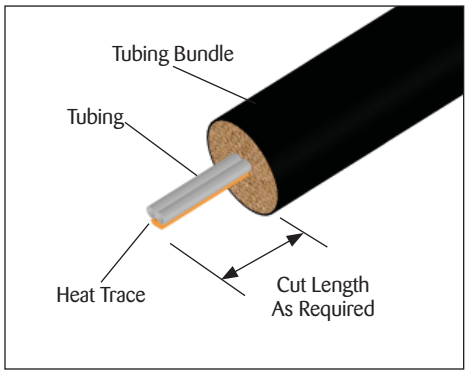
2B. Place the heat shrink seal over the end of the tube bundle and apply heat to shrink.

Note:
1. For applications with process temperatures between 126°C to 204°C (258°F to 400°F), wrap tubing with 3 wraps of self vulcanizing tape (50% overlap).

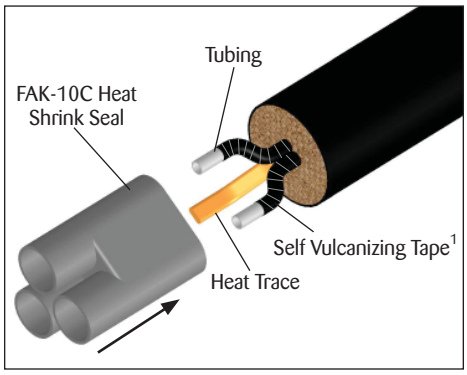


3B. Heat until heat shrink seal is conformed and sealed to tube bundle outer jacket and tubing.

FAK-10C . . .

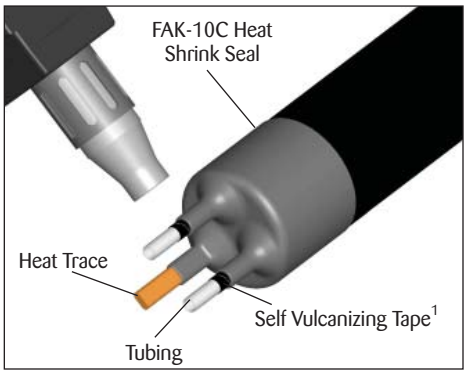


1C. Cut back jacket and insulation to expose desired tube length.



2C. Place the heat shrink seal over the end of the tube bundle and apply heat to shrink.

Note:
1. For applications with process temperatures between 126°C to 204°C (258°F to 400°F), wrap tubing with 3 wraps of self vulcanizing tape (50% overlap).



3C. Heat until heat shrink seal is conformed and sealed to tube bundle outer jacket and tubing.

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www.thermon.com In Canada call **1-800-563-8461**

For the Thermon office nearest you
visit us at . . .
www.thermon.com

Specifications and information are subject to change without notice. Form 50038-0712