



## THERM-A-SHAPE™ - Heat Memory Conduit

ID Inches	OD Inches		Weight pounds per foot
	S, HF Jacket	HT Jacket	
0.06	0.14	0.12	0.03
0.125	0.25	0.24	0.06
0.2	0.3	0.28	0.09
0.25	0.375	0.35	0.11
0.312	0.44	0.42	0.19
0.50	0.64	0.63	0.37
0.75	0.875	0.85	0.48

ID Tolerance  $\pm 0.005$ ; Minimum bend radius = OD x 2

### S = Standard Construction

Stiff in cool or ambient state but will bend very easily when heated properly and will retain bends. Provides a “bend retention temperature” of 85°C. Maximum operating temperature 135°C.

### HF = High Flex Construction

Flexible in a cool or ambient state. Can be bent or formed when heated. **Bend retention temperature** is 65°C. Maximum operating temperature 135°C.

### HT = High Temperature Construction

Stiff in a cool or ambient state. **Bend retention temperature** is 135°C. Maximum operating temperature is 175°C.

*Product may be “flexed” but should not be bent unless heated to the softening point first. Bending or unbending in the cold state may cause damage to the product.*

AMTI® will supply conduit cut to length and bent to customer specifications. Tooling is required and will be quoted based on Customer specifications. Dual-Flex options are available.

**Part Number Matrix**

- T = THERM-A-SHAPE™ Conduit
- Length in feet (4 feet maximum )
- Inside Diameter = inches x 1000
- Black – standard for all jacket types
- (no suffix), HF or HT = Standard, High Flex or High Temperature Construction
- ° special lengths may be specified but may not exceed 48 inches ( first digit must be 0)

Example of a complete part number:

**TAF1125**

THERM-A-SHAPE™, standard jacket, 0.125” ID, black jacket, 12.0 inches long.

**TAF0250-24**

THERM-A-SHAPE™, Standard jacket, 0.250” ID, black jacket, 24.0” long

<b>Flammability</b>	
Standard Jacket	V1
High Flex and High Temp	V0

**Features**

Tight bends and shapes	Stays in formed shape	Will not kink
Crush resistant	Small size capability	Easy to seal
Bend with wires installed	Bend or shape in advance	Multiple flexibility options

**Industries and Usage**

Fiber Optics	Aerospace	Avionics
Electronics	Medical Electronics	Test Equipment
Instrumentation	Robotics	

**AMTI®**

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