

# Raychem

# HTAT

Semiflexible, Dual Wall, Moisture-Resistant, Heat-Shrinkable Tubing

# Product Facts

- 4:1 shrink ratio
- Environmental sealing
- High-strength bonding
- Ideal connector sealing covering large diameter differences



### **Applications**

Designed to provide environmental sealing for a range of substrates, at elevated temperatures. Manufactured by Tyco Electronics from radiationcrosslinked polyolefins, the inner wall melts when heated and is forced into interstices by the shrinking of the outer wall so that, when cooled, the substrate is encapsulated by a tough, protective moisture barrier. An operating range of -55°C to 125°C [-67°F to 257°F] and a high shrink ratio as standard, mean that the tubing offers superior environmental protection to a wide range of irregular shapes with varying dimensions. The jacket is flame-retardant to reduce flame propagation.

#### Installation

Minimum shrink temperature: 80°C [176°F] Minimum full recovery temperature: 110°C [230°F]

### **Operating Temperature Range** -55°C to 125°C [-67°F to 257°F]

Specifications/Approvals

S	Series HTAT		Raychem RW-2052	
	Available in:	Americas	Europe	Asia Pacific
		-	•	•
and inches	s are in millimeters unless otherwise /alues in brackets uivalents.	Dimensions are shown for reference purposes only. Specifications subject to change.	USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-5-729-0425	South America: 55-11-3611-1514 Japan: 81-44-900-5102 Singapore: 65-4866-151 UK: 44-1793-528171

www.tycoelectronics.com

Catalog 1654025

Revised 12-04

specifie are U.S. equivalents. 3-43



#### HTAT (Continued)

### **Product Dimensions**

	Inside	Diameter	Recovered Wall Thickness*	
Size	Minimum Expanded as Supplied	Maximum Recovered After Heating	Nominal Total Wall After Heating	Nominal Adhesive Wall After Heating
4/1	4.0 [0.158]	1.0 [0.039]	1.00 [0.039]	0.40 [0.016]
8/2	8.0 [0.315]	2.0 [0.079]	1.00 [0.039]	0.50 [0.020]
12/3	12.0 [0.472]	3.0 [0.118]	1.40 [0.055]	0.60 [0.024]
16/4	16.0 [0.630]	4.0 [0.158]	1.75 [0.069]	0.75 [0.030]
24/6	24.0 [0.945]	6.0 [0.236]	2.25 [0.088]	0.80 [0.032]
32/8	32.0 [1.260]	8.0 [0.315]	2.50 [0.098]	1.00 [0.039]
48/13	48.0 [1.890]	13.0 [0.512]	2.55 [0.100]	1.00 [0.039]

\*Wall thickness will be less if tubing recovery is restricted during shrinkage.

# **Ordering Information**

Color	Standard	Black (-0)
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request.	
Standard packaging	In 1.2 meter [4-ft] ler	ngths.
Ordering description	Specify product name, size and color (for example, HTAT 8/2-0).	

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