

Raychem

TAT-125

Adhesive-Lined, Flexible, Polyolefin Tubing

Product Facts

- 2:1 shrink ratio
- Thin adhesive lining that bonds to outer tubing and surface below, forming a positive environmental seal
- Flexibility of both tubing and adhesive
- Moisture seal that is resistant to bending of the substrate
- Good mechanical strength and cut-through resistance
- Adhesive that bonds to a wide variety of plastics, rubbers, and metals, including polyethylene, neoprene, lead, and steel



Applications	
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Seals and protects simple in-line splices, bimetallic joints, and components from fluids, moisture, and corrosion. Repairs damaged wire insulation, especially where flexibility is required. Provides onestep electrical insulation and moisture sealing.

Installation

Minimum shrink temperature: 95°C [203°F] Minimum full recovery temperature: 121°C [250°F]

Operating Temperature Range -55°C to 110°C [-67°F to 230°F]

Specifications/Approvals

Series	UL 🔊	Military	Raychem
TAT-125 Type 1 (colors)	E85381 600 V, 125°C	AMS-DTL-23053/4*, Class 2	TAT-125 SCD
TAT-125 Type 2 (clear)	_	—	TAT-125 SCD

*Formerly MIL-I-23053/4 and MIL-DTL-23053/4. Sizes 1/4" through 1 1/2" only.

	Available in:	Americas	Europe	Asia Pacific	
					3-51
Catalog 1654025 Revised 12-04	Dimensions are in millimeters and inches unless otherwise specified. Values in brackets	Dimensions are shown for reference purposes only. Specifications subject	USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926	South America: 55-11-3611-1514 Japan: 81-44-900-5102 Singapore: 65-4866-151	
www.tycoelectronics.com	are U.S. equivalents.	to change.	C. America: 52-55-5-729-0425	UK: 44-1793-528171	



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TAT-125 (Continued)

Product Dimensions

	Inside Diameter		Recovered Wall Thickness**	
Size	Minimum Expanded as Supplied	Maximum Recovered After Heating	Total Wall After Heating (Nominal)	Adhesive Wall After Heating (Nominal)
1/8	3.2 [0.125]	1.6 [0.062]	0.69 [0.027]	0.23 [0.009]
3/16	4.8 [0.187]	2.4 [0.093]	0.71 [0.028]	0.25 [0.010]
1/4	6.4 [0.250]	3.2 [0.125]	0.74 [0.029]	0.13 [0.005]
3/8	9.5 [0.375]	4.8 [0.187]	0.74 [0.029]	0.13 [0.005]
1/2	12.7 [0.500]	6.4 [0.250]	0.76 [0.030]	0.15 [0.006]
3/4	19.1 [0.750]	9.5 [0.375]	0.89 [0.035]	0.15 [0.006]
1	25.4 [1.000]	12.7 [0.500]	1.07 [0.042]	0.20 [0.008]
1 1/2	38.1 [1.500]	19.1 [0.750]	1.19 [0.047]	0.28 [0.011]

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

Ordering Information

Color	Standard Black (-0)		
	Nonstandard	White (-9), red (-2), blue (-6), yellow (-4), green (-5), brown (-1), orange (-3), violet (-7), gray (-8), clear (-X, not flame-retardant)	
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-foot] lengths.		
Ordering description	Specify product name, size and color (for example, TAT-125 1/4-0).		

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