

ATUM

High-Shrink-Ratio, Adhesive-Lined Polyolefin Tubing

PRODUCT FACTS

- 3:1 and 4:1 shrink ratios allow for connector-to-cable sealing
- Tubing environmentally seals and protects components and interconnections
- Medium wall provides increased mechanical protection
- The adhesive in ATUM tubing bonds to a wide variety of plastics, rubbers, and metals, including polyethylene, aluminum, steel, and copper
- RoHS compliant

APPLICATIONS

Environmentally seals and protects a wide variety of electrical applications, including back end connector sealing, breakouts, and connector-to-cable transitions.

High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors.

INSTALLATION


Minimum shrink temperature: 80°C [176°F]

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

OPERATING TEMPERATURE RANGE

-55°C to 110°C [-67°F to 230°F]

Specifications/ Approvals

Series	UL** 	Military	Raychem
ATUM	E85381 600V, 110°C	AMS-DTL-23053/4,* Class 3	RW-2063-Black RK-6024-Colors and clear

*Formerly MIL-I-23053/4 and MIL-DTL-23053/4. Sizes 3/1, 6/2, 12/4, 24/8, and 40/13 only.

**Black only, except sizes 3/1 and 4/1.

Product Dimensions

Size	Inside Diameter		Recovered Wall Thickness**		
	Minimum Expanded as Supplied	Maximum Expanded After Heating	Total Wall After Heating	Adhesive Wall After Heating (Nominal)	
3:1	3/1	3.0 [0.118]	1.0 [0.039]	1.00±0.28[0.039±0.010]	0.50 [0.020]
	4.5/1.5	4.5 [0.177]	1.5 [0.059]	1.10±0.25[0.043±0.011]	0.50 [0.020]
	6/2	6.0 [0.236]	2.0 [0.079]	1.00±0.28[0.039±0.010]	0.50 [0.020]
	9/3	9.0 [0.354]	3.0 [0.118]	1.40±0.28[0.055±0.010]	0.61 [0.024]
	12/4	12.0 [0.472]	4.0 [0.157]	1.78±0.38[0.070±0.015]	0.76 [0.030]
	19/6	19.0 [0.748]	6.0 [0.236]	2.25±0.55[0.088±0.022]	0.76 [0.030]
	24/8	24.0 [0.940]	8.0 [0.315]	2.54±0.55[0.100±0.022]	1.02 [0.040]
	40/13	40.0 [1.570]	13.0 [0.512]	2.54±0.55[0.100±0.022]	1.02 [0.040]
4:1	4/1	4.0 [0.157]	1.0 [0.039]	1.00±0.28[0.039±0.010]	0.50 [0.020]
	8/2	8.0 [0.315]	2.0 [0.079]	1.00±0.28[0.039±0.010]	0.50 [0.020]
	12/3	12.0 [0.472]	3.0 [0.118]	1.40±0.28[0.055±0.010]	0.61 [0.024]
	16/4	16.0 [0.630]	4.0 [0.157]	1.78±0.38[0.070±0.015]	0.76 [0.030]
	24/6	24.0 [0.945]	6.0 [0.236]	2.25±0.55[0.088±0.022]	0.76 [0.030]
	32/8	32.0 [1.260]	8.0 [0.315]	2.54±0.55[0.100±0.022]	1.02 [0.040]
	52/13	52.0 [2.050]	13.0 [0.512]	2.54±0.55[0.100±0.022]	1.02 [0.040]

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

Ordering Information

Color	Standard Nonstandard	Black (-0) Clear in 3:1 sizes only (-X, non-flame-retardant jacket); other colors available on request.
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 or on spools.	
Ordering description	Specify product name, size and color (for example, ATUM 8/2-0).	



Authorised Reseller

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