



# ATUM

*High-shrink-ratio, adhesive-lined polyolefin tubing*



## 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.

## Operating temperature range

-55°C to 110°C

## Features and benefits


- 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.
- ATUM adhesive bonds to a wide variety of plastics, rubbers, and metals, including polyethylene, aluminum, steel, and copper.

## Installation

Minimum shrink temperature: 80°C

Minimum full recovery temperature: 110°C

Available in:	Americas	Europe	Asia Pacific
	■	■	■

Specifications/approvals			
			
Series	UL**	Military	Raychem
ATUM	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.

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

**Fax-on-demand**

US only (800) 260-9099

Outside US (650) 257-2301

**Fax ID**

2000

2001

**Description**

Data sheet

RW-2063

Visit our website at [www.tycoelectronics.com](http://www.tycoelectronics.com)**Product dimensions (mm/in)**

Size	Inside diameter		Recovered wall thickness**	
	Minimum expanded as supplied	Maximum recovered after heating	Total wall after heating	Adhesive wall after heating (nominal)
<b>3:1</b>				
3/1	3 (0.118)	1 (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 (0.236)	2 (0.079)	1.00±0.28 (0.039±0.010)	0.50 (0.020)
9/3	9 (0.354)	3 (0.118)	1.40±0.28 (0.055±0.010)	0.61 (0.024)
12/4	12 (0.472)	4 (0.157)	1.78±0.38 (0.070±0.015)	0.76 (0.030)
19/6	19 (0.748)	6 (0.236)	2.25±0.55 (0.088±0.020)	0.76 (0.030)
24/8	24 (0.940)	8 (0.315)	2.54±0.55 (0.100±0.020)	1.02 (0.040)
40/13	40 (1.570)	13 (0.512)	2.54±0.55 (0.100±0.020)	1.02 (0.040)
<b>4:1</b>				
4/1	4 (0.157)	1 (0.039)	1.00±0.28 (0.039±0.010)	0.50 (0.020)
8/2	8 (0.315)	2 (0.079)	1.00±0.28 (0.039±0.010)	0.50 (0.020)
12/3	12 (0.472)	3 (0.118)	1.40±0.28 (0.055±0.010)	0.61 (0.024)
16/4	16 (0.630)	4 (0.157)	1.78±0.38 (0.070±0.015)	0.76 (0.030)
24/6	24 (0.945)	6 (0.236)	2.25±0.55 (0.088±0.020)	0.76 (0.030)
32/8	32 (1.260)	8 (0.315)	2.54±0.55 (0.100±0.020)	1.02 (0.040)
52/13	52 (2.050)	13 (0.512)	2.54±0.55 (0.100±0.020)	1.02 (0.040)

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

**Ordering information**

Color	Standard	Black (-0)
	Nonstandard	Special order colors may be made 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.	
Ordering description***	Specify product name, size and color (for example, ATUM 8/2-0).	

\*\*\*For supply to MIL, Def Stan and BS add -MS, -DS or -BS to ordering description.