

Special Purpose Tubing

RW-175

High temperature, Chemical-Resistant, **Polyvinylidene Fluoride** Tubing

Product Facts

- 2:1 shrink ratio
- Tough, semirigid, very-thinwall insulation
- High flame-resistance, meeting the requirements of AMS-DTL-23053*, Test C, with UL and CSA VW-1 rating
- High-temperature performance that meets or exceeds military and industrial standards
- Protection from most industrial solvents, fuels, and chemicals
- Recommended maximum temperature for use as a primary insulator: 135°C [275°F]



Applications

Especially suitable for applications requiring hightemperature performance, outstanding abrasion resistance and cut-through resistance, or superior chemical and solvent properties. Provides electrical insulation and strain relief of multipin connectors and solder joints. Ideal for applications that require dense packing of components or visual inspection of covered components.

Installation

Minimum shrink temperature: 155°C [311°F] Minimum full recovery temperature: 175°C [347°F]

Operating Temperature Range

-55°C to 175°C [-67°F to 347°F]

Specifica

Specifications/Approva							-
Specifications/Approvals	Series	UL 🔊	CSA 🚯	Military	Industry	Raychem	
	RW-175		LR31929 VW-1 600 V, 150°C	AMS-DTL-23053/8* Def. Stan. 59-97 Type 3 VG 95343 Pt 5 Type F BS 3G 198 Pt4	VDE 0341 Pt 9005	RW-3029/1 RW-3029/2	
	*Formerly M	IL-I-23053 and MIL-	DTL-23053/8.				-
	Available in	: Amer	icas	Europe	Asia Pacific		
		-		•	•		
							3-107
Catalog 1654025 Revised 12-03 www.tycoelectronics.com	Dimensions are in millim and inches unless otherv specified. Values in bracl are U.S. equivalents.	vise reference p	s are shown for ourposes only. ons subject	USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-5-729-04	South America: 55 Japan: 81-44-900 Singapore: 65-486 425 UK: 44-1793-528	-5102 66-151	



Electronics

RW-175 (Continued)

Product Dimensions

	Inside Diameter		Recovered Wall
Size	Minimum Expanded as Supplied	Maximum Recovered After Heating	Thickness** After Heating
3/64	1.2 [0.046]	0.6 [0.023]	0.25 ± 0.05 [0.010 ± 0.002]
1/16	1.6 [0.063]	0.8 [0.031]	0.25 ± 0.05 [0.010 ± 0.002]
3/32	2.4 [0.093]	1.2 [0.046]	0.25 ± 0.05 [0.010 ± 0.002]
1/8	3.2 [0.125]	1.6 [0.062]	0.25 ± 0.05 [0.010 ± 0.002]
3/16	4.8 [0.187]	2.4 [0.093]	0.25 ± 0.05 [0.010 ± 0.002]
1/4	6.4 [0.250]	3.2 [0.125]	0.33 ± 0.05 [0.013 ± 0.002]
3/8	9.5 [0.375]	4.8 [0.187]	0.33 ± 0.05 [0.013 ± 0.002]
1/2	12.7 [0.500]	6.4 [0.250]	0.33 ± 0.05 [0.013 ± 0.002]
3/4	19.1 [0.750]	9.5 [0.375]	0.43 ± 0.08 [0.017 ± 0.003]
1	25.4 [1.000]	12.7 [0.500]	0.48 ± 0.08 [0.019 ± 0.003]
1 1/2	38.1 [1.500]	19.1 [0.750]	0.51 ± 0.08 [0.020 ± 0.003]

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

Ordering Information

Color	Standard	Clear (-X)	
	Nonstandard	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-foot] lengths.		
Ordering description***	Specify product name, size and color (for example, RW-175 3/64-X).		
***Europa anly Far augubt	MIL Def Step and D	Codd MC DC or DC to ordering deparintion	

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

Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are U.S. equivalents.

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