

Part # **A2(3X)**

Clear
Flexible Polyolefin
3 to 1 Ratio
(For colors use B2(3X))



	Specification Reference
UL	○
VW-1	○
CSA	○
MIL Spec	○

Replaces
Raychem RNF-3000-C, RT-123

Description	A2(3X) is a flexible, clear polyolefin heat shrinkable tubing (for colors use B2(3X)). Not flame retardant. Special 3 to 1 shrink ratio.
Uses	Uses requiring inspection (clear) or legibility of covered objects. Lightweight harnessing, strain relief and insulation of solder and crimp connections. 3 to 1 ratio will accommodate large or irregular items.
Operating Temp	-55°C, to +135°C, and up to 200°C, for short durations
Shrink Temp	115°C
Standard Put-up	Spool

	Property (units)	Test Method	Requirements
Physical	Tensile Strength (psi)	ASTM D638	1500 MIN.
	Elongation (%)	ASTM D638	200 MIN.
	Specific gravity	ASTM D792	1.0 MAX.
	Low temp. flex (-55°C)	AMS-DTL-23053	No Cracking
	Heat shock (260°C, 4 Hrs.)	AMS-DTL-23053	No Cracking
	Heat resistance, Elongation (%)	ASTM D638	100 MIN.
	Secant modulus (psi)	ASTM D882	25000 MAX.
	Longitudinal change (%)	AMS-DTL-23053	+5, -15
Electrical	Dielectric strength (volts/mil)	ASTM D876	500 MIN.
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 ¹⁴ MIN
Chemical	Corrosion	AMS-DTL-23053	No Corrosion
	Water absorption (%)	ASTM D570	0.2 MAX.
	Fluid Resistance (23°C, 24 Hrs.) Tensile Strength (psi)	AMS-DTL-23053	1000 MIN.
	Flammability		N/A
	Shrink Temperature (nominal)		110°C

Wholesale Pricing on Full Spools/Bags

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Inside Diameter Before Shrinking (minimum)		Inside Diameter After Shrinking (maximum)	Post Shrink Wall Thickness	Full Spool Length	Price:	Color Selection											
						per spool	BK	BR	RD	OR	YL	GN	BL	VI	GY	WH	CL
mm	inches	mm (inches)	mm (inches)	in feet	per foot	black	brown	red	orange	yellow	green	blue	violet	gray	white	clear	
1.5	— 0.059	0.508 (0.020)	0.508 (0.020)	1000	\$399.50 \$0.47	X	X	X	X	X	X	X	X	X	X	●	
3	— 0.1181	1.016 (0.040)	0.6096 (0.024)	500	\$225.25 \$0.53	X	X	X	X	X	X	X	X	X	X	●	
6	— 0.2362	2.032 (0.080)	0.7112 (0.028)	200	\$137.70 \$0.81	X	X	X	X	X	X	X	X	X	X	●	
9	— 0.3543	3.048 (0.120)	0.7874 (0.031)	200	\$154.70 \$0.91	X	X	X	X	X	X	X	X	X	X	●	
12	— 0.4724	4.064 (0.160)	0.8382 (0.033)	200	\$173.40 \$1.02	X	X	X	X	X	X	X	X	X	X	●	
18	— 0.7086	6.096 (0.240)	0.9906 (0.039)	200	\$232.90 \$1.37	X	X	X	X	X	X	X	X	X	X	●	
24	— 0.9448	8.001 (0.315)	1.2192 (0.048)	200	\$346.80 \$2.04	X	X	X	X	X	X	X	X	X	X	●	
40	— 1.5748	13.081 (0.515)	1.270 (0.050)	200	\$644.30 3.79	X	X	X	X	X	X	X	X	X	X	●	
50	— 1.9685	17.018 (0.670)	1.4986 (0.059)	200	\$1,569.10 \$9.23	X	X	X	X	X	X	X	X	X	X	●	
75	— 2.9527	25.4 (1.000)	1.651 (0.065)	200	\$2,714.90 \$15.97	X	X	X	X	X	X	X	X	X	X	⬛	
102	— 4.0157	33.782 (1.330)	1.8034 (0.071)	100	\$1,898.05 \$22.33	X	X	X	X	X	X	X	X	X	X	⬛	

Available in Clear Only
(For colors use B2(3X))

Lead Time: 1 day	Lead Time: up to 50 days	Lead Time: up to 100 days	Lead Time: up to 200 days	Not Possible

The above lead time guidelines are estimated only. They may be longer (not usually) or they may be shorter (typically). Regarding products with 100 & 200 day lead time; pricing may vary, and a minimum order with deposit may be required. Oh... and by the way, everything can change without notice and/or liability.