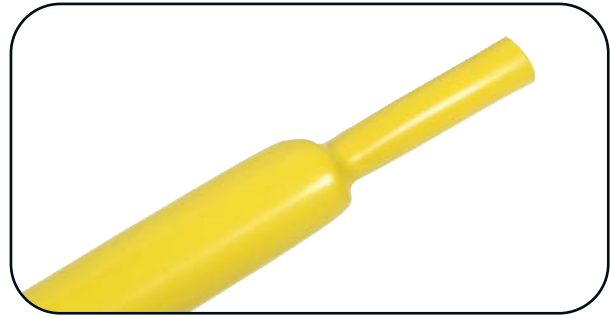


Part # W5DL

**Semi-Rigid Dual Wall
with Encapsulant
3 to 1 Ratio**



	Specification Reference
UL	● UL 224, 125°C, 600V
VW-1	○
CSA	● CSA C22.2 No. 198.1-98
MIL Spec	● AMS-DTL-23053/4, Class 1

Replaces	
Raychem	SCL(RT-1301)
3M/ECC	MW
Alpha	FIT-300

Description	W5DL is a semi-rigid, dual wall polyolefin heat-shrinkable tubing. When heated the inner liner melts and flows to encapsulate (not adhesive lined) components or splices contained within.
Uses	W5DL is recommended in applications for connections and wire harnesses where filling voids and interstices is of importance. W5DL provides good strain relief because it does not adhere to the substrate material; it can be removed for repair of components.
Operating Temp	-55°C, to +110°C
Shrink Temp	130°C
Standard Put-up	Bag - 4 foot lengths, packaged in plastic bags.

	Property (units)	Test Method	Requirements
Physical	Tensile Strength (psi)	ASTM D638	1500 MIN.
	Elongation (%)	ASTM D638	200 MIN.
	Cold Impact (-55°C)	ASTM D746	No Cracking
	Heat shock (250°C, 4 Hrs.)	AMS-DTL-23053	No Cracking
	Secant modulus (psi)	ASTM D882	25000 MAX.
	Longitudinal change	AMS-DTL-23053	+1, -10
Electrical	Dielectric strength (volts/mil)	ASTM 2671	500 MIN.
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 ¹⁵ MIN
Chemical	Corrosion (121°C, 16 Hrs.)	AMS-DTL-23053	No Corrosion
	Water absorption (%)	ASTM D570	0.5 MAX.
	Fluid Resistance (23°C, 24 Hrs.) Tensile Strength (psi)	AMS-DTL-23053	1000 MIN.
	Flammability		N/A
	Shrink Temperature (nominal)		140°C

**Wholesale Pricing
on Full Spools/Bags**

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W5DL Part #

Inside Diameter Before Shrinking (minimum)		Inside Diameter After Shrinking (maximum)	Post Shrink Wall Thickness	Full Bag Length	Price:	Color Selection													
mm	inches					mm (inches)	mm (inches)	in feet	per bag	per foot	BK	BR	RD	OR	YL	GN	BL	VI	GY
								black	brown	red	orange	yellow	green	blue	violet	gray	white	clear	
3.2	1/8 0.125	0.5842 (0.023)	0.9652 (0.038)	200	\$260.10 \$1.53	●	●	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	⊗
4.8	3/16 0.1875	1.524 (0.060)	1.0922 (0.043)	200	\$317.90 \$1.87	●	⊗	●	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	⊗
6.4	1/4 0.250	2.032 (0.080)	1.1938 (0.047)	200	\$396.10 \$2.33	●	⊗	●	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	⊗
9.5	3/8 0.375	3.429 (0.135)	1.270 (0.050)	100	\$220.15 \$2.59	●	⊗	●	⊗	⊗	⊗	⊗	●	⊗	⊗	⊗	●	●	⊗
12.7	1/2 0.500	4.953 (0.195)	1.397 (0.055)	100	\$249.05 \$2.93	●	⊗	●	⊗	⊗	⊗	⊗	●	⊗	⊗	⊗	●	●	⊗
19.1	3/4 0.750	7.9502 (0.313)	1.651 (0.065)	60	\$199.41 \$3.91	●	⊗	⊗	⊗	●	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
25.4	1 1.000	10.160 (0.400)	1.905 (0.075)	60	\$298.35 \$5.85	●	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

NOTE: Some types of heat shrink, for instance semi-rigid and dual wall types are manufactured in 4 foot lengths. The rigid and semi-rigid ones do not bend without kinking, the adhesives in dual walls tend to stick or block shut when spooled.

4 foot lengths, packaged in plastic bags.

				
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.