



Daburn Electronics & Cable  
 44 Richboynnton Road  
 Dover, NJ 07849

## Daburn SM278 Shrinkable Polyolefin Tubing - Flexible, Dual Wall

**Description:** DAFLEX SM278 is a flexible, large ratio, heat shrinkable tubing with a meltable adhesive liner. When 120°C is applied, the tubing will shrink to 25% of its supplied size (4:1). Longitudinal shrinkage is 10% maximum. As the outer wall shrinks, the inner adhesive liner melts and flows. When cooled, it offers protection for a variety of electrical applications as well as "sealed-in" protection from chemicals and oils. Because of its large shrink ratio and adhesive liner, it offers excellent protection for cable repairs and retrofitting.

**Operating Temperature:** -55°C to +135°C.

Meets or exceeds MIL-I-23053/4 Class 3.

UL VW-1, CSA OFT (outer wall only).

This series is RoHS II, EU Directive 2011/65/EU compliant.

Shelf Life is 3 years.

Daburn Cat. No.	Nom. Size	Expanded ID		Recovered ID		Min. Rec. Wall		Standard Put-Up
		IN.	mm	IN.	mm	IN.	mm	
SM278-3/16	3/16	.157	4	.039	1	.0354	.90	200ft Spl*
SM278-5/16	5/16	.315	8	.079	2	.0354	.90	200ft Spl**
SM278-1/2	1/2	.472	12	.118	3	.0512	1.30	400ft 4ft lgths
SM278-3/4	3/4	.630	16	.157	4	.0630	1.60	200ft 4ft lgths
SM278-1"	1"	.945	24	.236	6	.0827	2.10	100ft 4ft lgths
SM278-1 1/4"	1 1/4"	1.260	32	.315	8	.0906	2.30	80ft 4ft lgths

**Standard Color:** Black. Clear and other colors are available to order (Please Call).

**Standard Package Shown:** \*Available in 1000FT, \*\*Available in 600FT.

### Specification Values:

Property		Test Method	Value	
Physical	Unaged	Tensile strength	ASTM D 638 Min. 1300 psi	
		Elongation	Min. 250%	
	Fluid Resist.	Tensile strength	ASTM D 638 Min. 900 psi	
		Dielectric strength	ASTM D2671 Min. 200 Volts/mil	
	Heat shock		250°C/4 hrs	No cracks, flowing, or dripping
	Low temperature flex		ASTM D746	No crack @-55°C
	Secant Modulus		ASTM 882	Max. 25,000 psi
Electrical	Dielectric strength		ASTM D2671 Min. 300 Volts/mil	
	Volume resistivity		ASTM D876 Min. 1x10 <sup>12</sup> Ω-cm	
Chemical	Copper corrosion		121°C/16hrs No corrosion	
	Fungus resistance		ASTM G21 No growth	
	Water Absorption		ASTM D570 Max. 1.0%	
	Flammability		ASTM D2671 Pass	