

## DUAL WALL FLEXIBLE POLYOLEFIN WITH THICK WALL ADHESIVE, HIGHLY OVEREXPANDED 4 : 1 Shrink Ratio



**RoHS3 Compliant**

### TYPICAL FEATURES

- |   |  |
|---|--|
| <p>1) SUMITUBE W3B2 (4X) is a flexible, flame-retarded heat-shrinkable polyolefin tubing, with a thick wall modified polyamide adhesive which melts and flows, encapsulating and sealing components contained within. It meets the material requirements of AS23053/4, Class 3 and is a QPL'd product.</p> <p>2) SUMITUBE W3B2 (4X) has a shrink ratio of 4 to 1.</p> <p>3) Shrink temperature is 110° C.</p> | <p>4) Operating temperature range is -55° C to +125° C.</p> <p>5) SUMITUBE W3B2 (4X) is recommended for cable repair and applications requiring waterproofing light cables and wire harnesses. It also provides strain relief at cable to connector points, often without having to depin the connector.</p> |
|---|--|

### STANDARD SIZES

SIZE	INSIDE DIAMETER AS SUPPLIED (MIN)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
4/1	.157	4.0	.039	1.0	.040	1.00
8/2	.315	8.0	.079	2.0	.048	1.20
*12/3	.472	12.0	.118	3.0	.055	1.40
16/4	.630	16.0	.157	4.0	.071	1.80
24/6	.945	24.0	.236	6.0	.089	2.25
32/8	1.260	32.0	.315	8.0	.100	2.54
*52/13	2.047	52.0	.510	13.0	.100	2.54

**Standard Colors:** Black

**Standard Package:** 4 feet (4')

**How to Order:** (Type of material) (Size) (Color) (Packaging)

**Example:** W3B2 (4X) 8/2 Black 4'

\* = non MIL-spec sizes

# W3B2 (4X) SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
<b>Physical:</b> Tensile strength (psi) Elongation (%) Cold impact (-55°C) Heat shock (250°C, 4 Hrs.) Secant modulus (psi) Longitudinal change (%)	ASTM D 2671 ASTM D 2671 ASTM D 746 AS23053 ASTM D 882 AS23053	1,500 min. 250 min. no cracking no cracking 2.5 X 10 <sup>4</sup> MAX. +1 to -15
<b>Electrical:</b> Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D 876 ASTM D 876	300 min. 1 X 10 <sup>10</sup>
<b>Chemical:</b> Corrosion Water absorption (%) Fluid resistance (23°C, 24 Hrs.) Tensile strength (psi) Flammability Shrink temperature, nominal	UL 224 ASTM D 570  AS23053 UL 224 AFT ---	no corrosion 1.0 max.  900 min. Pass 110° C

**Specification reference:** UL 224, 125°C, 600V  
 File E75077, YDTU2, Cat. No. SUMITUBE W3B2 (4X) or 841  
 SAE AS23053/4, Class 3



915 Armorlite Drive  
 San Marcos, CA 92069

Telephone: (800) 758-3515  
 FAX: (800) 758-3517

Rev. 6-9-21