SUMITUBE ® W3B2 (AS23053/4 Class 3)

DUAL WALL FLEXIBLE POLYOLEFIN WITH THICK WALL ADHESIVE, 3:1 SHRINK RATIO

PRODUCT FEATURES;

- **MEETS THE REQUIREMENTS OF AS23053/4 CLASS 3, IN THE SIZES MARKED BELOW; MILITARY SPECIFICATION & UL / CSA**
- **ROHS / ROHS2 COMPLIANT; LEAD-FREE**
- **FLEXIBLE, FLAME-RETARDED HEAT-SHRINKABLE POLYOLEFIN TUBING WITH A THICK WALL MODIFIED POLYAMIDE ADHESIVE WHICH MELTS AND FLOWS, ENCAPSULATING AND SEALING COMPONENTS CONTAINED WITHIN**
- **RECOMMENDED FOR WATER-PROOFING OF LIGHT CABLE AND WIRE HARNESSES AND PROTECTION OF CONNECTOR COMPONENTS**
- **FOR SIMILAR TUBING WITH UL / CSA SURFACE PRINTING, SEE SUMITUBE® W3F2**
- **SHRINK TEMPERATURE : 110 °C**
- **OPERATING TEMPERATURE RANGE: -55 °C TO +110 °C (PER MIL-SPEC) AND 125 °C (PER UL/CSA). UPPER OPERATING TEMPERATURES DIFFER DUE TO DIFFERENCES IN TEST METHODS USED BY RESPECTIVE AGENCIES.**

BASIC PROPERTIES

- **MATERIAL : FLEXIBLE, FLAME-RETARDED POLYOLEFIN, DUAL WALL, THICK WALL MODIFIED POLYAMIDE ADHESIVE**
- **SHRINK RATIO : 3:1**
- **COLOR : BLACK, WHITE**
- **APPLICATIONS : WATER-PROOFING OF LIGHT CABLE AND WIRE HARNESSES AND PROTECTION OF CONNECTOR COMPONENTS**

PROPERTIES :

NOMINALSIZE	As Supplied		After Recovery			
	Inside Diameter As Supplied(Minimum)		Inside Diameter After Recovery(Maximum)		Wall Thickness After Recovery(Nominal)	
	Inch	(MM)	Inch	(MM)	Inch	(MM)
3/1	.125	3.2	.040	1.0	.037	0.95
*4.5/1.5 (3/16”)	.189	4.8	.059	1.5	.043	1.1
6/2	.252	6.4	.079	2.0	.047	1.2
*9/3	.374	9.5	.118	3.0	.051	1.3
12/4	.500	12.7	.157	4.0	.071	1.8
*19/6	.748	19.0	.236	6.0	.071	1.8
24/8	.945	24.0	.315	8.0	.098	2.5
40/13	1.575	40.0	.512	13.0	.098	2.5

* non SAE-Spec sizes

SUMITOMO ELECTRIC GROUP

SUMITUBE ® W3B2 (AS23053/4 Class 3)

DUAL WALL FLEXIBLE POLYOLEFIN WITH THICK WALL ADHESIVE, 3:1 SHRINK RATIO

PERFORMANCES

PROPERTIES	ITEMS	REQUIREMENTS	TEST METHOD
PHYSICAL	Tensile strength (psi)	1300 min.	ASTM D638
	Elongation (%)	250 min.	ASTM D638
	Cold impact (-55 °C)	No cracking	ASTM D746
	Heat shock (250 °C, 4 hrs.)	No cracking	AS23053
	Secant modulus (psi)	2.5×10^4 max.	ASTM D882
	Longitudinal change (%)	+1, -15	AS23053
ELECTRICAL	Dielectric strength (volts/mil)	300 min.	ASTM D876
	Volume resistivity (ohm-cm)	1×10^{12} min.	ASTM D876
CHEMICAL	Corrosion	No corrosion	UL 224
	Water absorption (%)	1.0 max.	ASTM D570
	Fluid resistance (23 °C, 24 hrs.): Tensile strength (psi)	900 min.	AS23053
	Flammability	Pass	UL 224
	Shrink temperature, nominal	110 °C	

Specification reference: UL 224, 125 °C, 600V
File E75077 YDTU2, Cat. No. SUMITUBE W3B2 or 843
CSA LR33298
AS23053/4 Class 3

ORDERING INFORMATION

COLOR	BLACK, WHITE			
PACKAGING	4’			
HOW TO ORDER	(Type of material)	(Size)	(Color)	(Packaging)
ORDERING EXAMPLE:	W3B2	12/4	Black	4’

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

915 ARMORLITE DR. SAN MARCOS, CA 92069

760-761-0600 **info@SEIPUSA.COM**

SUMITOMO ELECTRIC GROUP

DIMENSIONS ARE SHOWN FOR REFERENCE PURPOSES AND SUBJECT TO CHANGE WITHOUT NOTICE.

2026/10