

SUMITUBE® HEAT SHRINKABLE TUBING
PRODUCT SOLUTIONS GUIDE



SUMITUBE®. SIMPLY SUPERIOR.

Welcome to Sumitomo Electric Interconnect Products.....

Since our inception in 1985, Sumitomo Electric Interconnect Products, Inc. has been a wholly owned subsidiary of Sumitomo Electric Fine Polymer in Osaka, Japan producing state-of-the-art **SUMITUBE® Heat Shrinkable Tubing, STS Solder Termination Sleeves, SumiMark® and Sumitag™ Thermal Transfer Marking Systems.**



Sumitomo products conform to the latest **UL, CSA, ISO, RoHS and AMS-DTL-23053*** compliant specifications for Quality, Testing, Safety and Environmental standards.

Sumitomo products are the **simple and superior** solutions for **critical applications** in **Electronic OEM, Industrial/MRO, Automotive and Military/Aerospace** industries. Our customers in **North America** and in **South & Latin America** are in the top tier of high technology companies in their market segments, who have come to select our products for a lifetime of reliability.....

Sincerely,
Nobuyoshi Fujinami
President

Sumitomo Electric Interconnect Products, Inc.
915 Armorlite Drive
San Marcos, CA 92069-1440

The System Solutions...

Sumimark® IV

Thermal Transfer Marking System

- Superior 300 DPI Print Quality
- Meets SAE-AS5942 for Print Adherence
- Software Compatible with Windows Vista/XP/7 & 8
- Prints Text/Graphics/Barcodes/Logos
- Prints on Diameters of 1/16" to 2"
- Cuts Lengths of .25" to 4"
- Prints on SumiMark® Continuous and Sumitag™ Formatted Products



Sumitag™ STP-300 DS Double Sided Printer

Dual Head Thermal Transfer Marking System

- Superior 300 DPI Print Quality
- Meets SAE-AS5942 for Print Adherence
- Software Compatible with Windows Vista/XP/7 & 8
- Double Sided Printing in One Pass
- Prints Text/Graphics/Barcodes/Logos
- Prints on Diameters of 1/16" to 2"
- Prints on SumiMark® Continuous and Formatted Products

STS Solder Termination Sleeves

Wire & Cable Terminations for Mission Critical Applications

Applications:

- **Cable Shield Terminations**
- **Wire to Wire Splicing**
- **Wire to Pin Terminations**
- Meets SAE-AS83519
- High Temperature Shrink Tubing Jacket with Solder Preforms And Thermoplastic Sealing Rings. Pre-installed Ground Wire Optional
- Variety of Sizes and Types for Specific Applications
- Field Performance Proven in High Technology Applications in Electronic OEM and Military/Aerospace Industries



Heat Shrinkable Solutions You Can Trust

General Purpose
Heat Shrink Products
UL/CSA/RoHS

- Insulate
- Bundle
- Harness
- Identify
- Route
- Protect
- Strain Relief



Dual Wall
Adhesive Lined Products
"The Ultimate in Sealing Protection"

Liquid Sealing Protection Against:

- Water/Moisture
- Solvents
- Petrochemicals
- Acids
- Harsh Chemicals



High Performance Products
Military/Aerospace
High Technology/OEM/Industrial

- Abrasion
- Mechanical
- Chemicals
- Solvents/Petrochemicals
- High Temperature
- Electrical Insulation



General Purpose UL/CSA/RoHS

Sumitube® Product Series	Product Description	Industry Certification & Approvals	SAE-AMS- DTL-23053 Slash Sheet	Shrink Ratio	Shrink Temp Minimum	Operating Temp Minimum	Colors	Size Range
A2	General Purpose Clear	RoHS	/5 Class 2	2:1	110°C	-55°C to +135°C	Clear	3/64" to 4"
A2(3X)	Very Thin Wall Clear	RoHS/Halogen Free		3:1	110°C	-55°C to +135°C	Clear	1.5 to 75/25 Metric
A4	General Purpose Commercial Grade	UV Stable		2:1	115°C	-55°C to +105°C	Black, White, Red Yellow, Blue, Green, Clear	3/64" to 2"
B2	General Purpose Colors	UL/CSA/RoHS	/5 Class 1 & 3	2:1	90°C	-55°C to +135°C	Black, White, Red, Yellow, Blue, Green, Violet, Gray, Orange	3/64" to 4"
B2 (Y/G) 2:1	General Purpose Colors	UL/CSA/RoHS		2:1	90°C	-55°C to +135°C	Yellow/Green striped	1/8" to 2"
B2 (Y/G) 3:1	General Purpose Colors	UL/CSA/RoHS		3:1	90°C	-55°C to +135°C	Yellow/Green striped	187/62 to 500/185 Metric
B2 (3X)	General Purpose High Shrink Ratio	UL/CSA/RoHS		3:1	90°C	-55°C to +135°C	Black, White, Red Yellow, Blue	1.5/0.5 to 102/34 Metric
B2 (4X)	General Purpose High Shrink Ratio	VW1/RoHS		4:1	90°C	-55°C to +135°C	Black	1" to 4"
B2 (4XC)	General Purpose High Shrink Ratio	VW1/RoHS	/5 Class 1, overexpanded	4:1	90°C	-55°C to +135°C	Black	3/4" to 2"
B8	Semi Rigid	UL/CSA/RoHS		2:1	130°C	-55°C to +135°C	Black, White	3/64" to 1"
F2(Z)	General Purpose UL/CSA Surface Printed	UL/CSA/RoHS		2:1	90°C	-55°C to +125°C	Black, White, Red, Yellow, Blue	3/64" to 4"
F4(Z)	Thin Wall	UL/CSA/RoHS		2:1	90°C	-55°C to +125°C	Black, White, Red, Yellow	3/64" to 1"
NH	Non-Halogen Flexible Polyolefin	RoHS		2:1	115°C	-55°C to +105°C	Black	1/8" to 2"
NH(TW)	Low Smoke Low Acid Gas Thin Wall	RoHS		2:1	115°C	-55°C to +105°C	Black	1/8" to 2"



Dual Wall Adhesive Lined Products

SUMITUBE® Product Series	Product Description	Industry Certifications & Approvals	SAE-AMS- DTL-23053 Slash Sheet	Shrink Ratio	Shrink Temp Minimum	Operating Temp Minimum	Colors	Size Range
O2B2	Dual Wall Adhesive Lined	UL/CSA/RoHS	/4 Class 2	2:1	110°C	-55°C to +110°C	Black	1/8" to 2"
O2B2S	Dual Wall Adhesive Lined	UL/CSA/RoHS	/4 Class 2	2:1	110°C	-55°C to +110°C	Black	1/8" to 2"
O2C	Dual Wall Adhesive Lined Clear	RoHS		2:1	115°C	-55°C to +105°C	Clear	1/8" to 1"
SCH (6X)	Dual Wall Adhesive Lined 6:1 Shrink Ratio	RoHS		6:1	121°C	-55°C to +90°C	Black	5/8" to 4"
W3B2	Dual Wall Thick Adhesive Lined Sealing	UL/CSA/RoHS	/4 Class 3	3:1	110°C	-55°C to +110°C	Black	3/1 to 40/13 Metric
W3B2S	Dual Wall Thick Adhesive Lined Sealing	UL/CSA/RoHS	/4 Class 3	3:1	110°C	-55°C to +110°C	Black	1/8" to 3/4" 24/18 to 40/13 Metric
W3B2 (4X)	Dual Wall Thick Adhesive Lined Sealing	UL/RoHS		4:1	110°C	-55°C to +110°C	Black	4/1 to 52/13 Metric
W3C	Dual Wall Thick Adhesive Lined Sealing	RoHS		3:1	115°C	-55°C to +105°C	Clear	1/8" to 1"
W5DL	Dual Wall Encapsulant Meltable Inner Wall	UL/RoHS	/4 Class 1	4:1	140°C	-55°C to +110°C	Black	1/8" to 1"



Mechanical Strength/Abrasion/Solvents/Chemicals/High Temperature Military and Aggressive Industrial/OEM Application/Environments

SUMITUBE® Product Series	Product Description	Industry Certifications & Approvals	SAE-AMS-DTL-23053 Slash Sheet	Shrink Ratio	Shrink Temp Minimum	Operating Temp Minimum	Colors	Size Range
DPX-1	Thermoplastic Adhesive Tape	RoHS		N/A	N/A	-55°C to +110°C	Translucent Amber	50mm 1.97" Width
FE3	High Temperature Flexible Fluoroelastomer	RoHS	/13	2:1	120°C	-40°C to +200°C	Black	1/8" to 2"
K	Rigid High Temperature Translucent PVDF	UL/CSA/RoHS	/8	2:1	170°C	-55°C to +175°C	Translucent	3/64" to 2"
K2	Flexible High Temperature Clear PVDF	UL/RoHS	/18 Class 1	2:1	150°C	-55°C to +175°C	Clear	3/64" to 2"
K3	Very Flexible High Temperature Clear Modified Fluoropolymer	UL/RoHS	/18 Class 3	2:1	130°C	-55°C to 175°C	Clear	1/8" to 1"
KH200	Very Flexible High Temp Fluoropolymer	RoHS	/13	2:1	130°C	-70°C to +200°C	Clear	1/8" to 1"
KH200 (TW)	Very Flexible High Temp Fluoropolymer Thin Wall	RoHS	/18 Class 3	2:1	130°C	-70°C to +200°C	Clear	1/8" to 1"
KH230	Very Flexible High Temp Fluoropolymer Thin Wall	RoHS	/13	2:1	130°C	-70°C to +230°C	Black	1/8" to 1"
KH230 (TW)	Very Flexible High Temp Fluoropolymer Thin Wall	RoHS	/18 Class 3	2:1	130°C	-70°C to +230°C	Black	1/8" to 1"
R10	Rugged "Rubber Like" Elastomeric UL	UL/RoHS	/1 Class 1 & 2	2:1	150°C	-75°C to +120°C	Black	1/8" to 2"
R120	Rugged "Rubber Like" Elastomeric	RoHS	/16	2:1	150°C	-75°C to +120°C	Black	1/8" to 2"



SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

www.seipusa.com
www.sumitube.com

Notice: The information contained in this brochure is believed to be correct and in accordance with accepted engineering practices. Because of the varied nature of the uses for these products, each user should make their own evaluation regarding the suitability of these products for their specific application.

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ISO 9001:2008
ISO 14001:2004

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