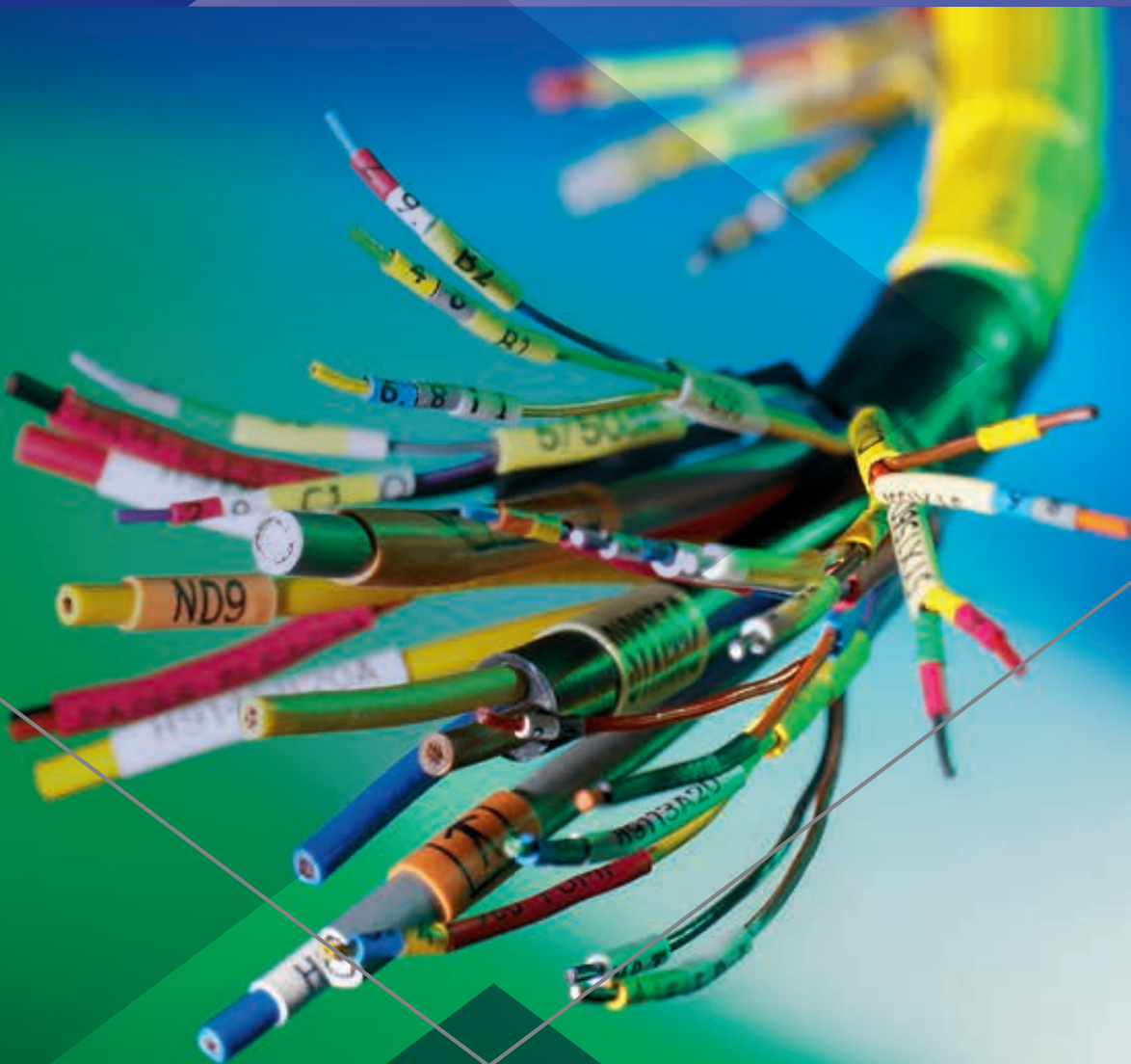


# Heat Shrink Identification Product Solutions Guide

**SumiMark**<sup>®</sup>

**sumitag**  
the global cable identification system

**sumilabel**<sup>™</sup>



**SUMITOMO  
ELECTRIC  
GROUP****SUMITUBE®. SIMPLY SUPERIOR.**

## Welcome to Sumitomo Heat Shrink Identification Product Solutions Guide

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 AS23053** specifications for Quality, Safety, Performance 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 the Americas 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....

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

## Markable Products

Mil/Aero | Rail/Transit | Medical | Commercial

### Continuous Design

Product Name	Description	Specification	Shrink Ratio	Industry Certs and Approvals	Size Range
SM3-12	Flexible Polyolefin	SAE AS23053/5 Class 1 & 3	2:1	UL, CSA, RoHS	1/16" - 2"
SM3-13	Very Flexible Clear Polyolefin	SAE AS23053/5 Class 2	2:1	RoHS	1/16" - 2"
SM3-16	Flexible Chlorinated Polyolefin	SAE AS23053/1 Class 1 & 2	2:1	RoHS	1/8" - 1"
SM3-23	Overexpanded Flexible Polyolefin	SAE AS23053/5 Class 1	3:1	UL, CSA, RoHS	1/16" - 1 1/2"
SM3-24	Adhesive Lined Dual Wall Polyolefin	SAE AS23053/4 Class 2	2:1	UL, RoHS	1/8" - 1"
SM3-25	Adhesive Lined Dual Wall Polyolefin	SAE AS23053/4 Class 3	3:1	RoHS	1/8" - 3"
SM3-31	Very Flexible Modified Fluoropolymer	SAE AS23053/18 Class 3	2:1	RoHS	1/8" - 1"
SM3-34	Halogen Free, Low Smoke, Flexible Polyolefin	Various Rail & Transit	2:1	RoHS	3/32" - 2"
SM3-39	Medical Grade, Polyolefin Copolymer	USP Class VI	2:1	RoHS	1/16" - 1/2"
SM3-41	Flexible Highly Overexpanded Polyolefin	SAE AS23053/5 Class 1	4:1	RoHS	3/4" - 2"
SM3-60	High Temperature Fluoroelastomer	SAE AS23053/13	2:1	RoHS	1/8" - 1.5"
SM-CM	Flat, non-shrink, tie-on, polyolefin labels	None	N/A	RoHS	1/4" and 1/2"



# Markable Products

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the global cable identification system

## Formatted Design

Product Name	Description	Specification	Shrink Ratio	Industry Certs and Approvals	Size Range
HPS	Polyolefin	SAE AS23053/5 Class 1 & 3	2:1 & 3:1	NSA 937201MR & MT	1/16" - 1.5"
HTS	Polyvinylidene Flouride	SAE AS23053/18 Class 1	2:1	UL 224 VW1, RoHS	1/16" - 1.5"
LFH	Zero Halogen, Low Toxicity Polyolefin	Low Fire Hazard Extended Fire Safety	2:1	EN 45545-2 R24 (HL1, HL2, HL3), LUL 1-085, LUL 2-01001-002 (E1042A6)	1/16" - 1.5"
DRS	Diesel Resistant Polyolefin	NF-F00-608 type H BS 4G198, Pt 3, 10A	3:1	Alstom Approved DTR Listed	1/16" - 1.5"

## Continuous Design

Product Name	Description	Specification	Shrink Ratio	Industry Certs and Approvals	Size Range
HPC	Polyolefin	SAE AS23053/5 Class 1 & 3	2:1 & 3:1	NSA 937201MR & MT	1/16" - 1.5"
HTC	Polyvinylidene Flouride	SAE AS23053/18 Class 1	2:1	UL 224 VW1, RoHS	1/16" - 1.5"
LFC	Zero Halogen, Low Toxicity Polyolefin	Low Fire Hazard Extended Fire Safety	2:1	EN 45545-2 R24 (HL1, HL2, HL3), LUL 1-085, LUL 2-01001-002 (E1042A6)	1/8" - 1.5"
DRC	Diesel Resistant Polyolefin	NF-F00-608 type H BS 4G198, Pt 3, 10A	3:1	Alstom Approved DTR Listed	1/16" - 1.5"



# Printers



◆ SUMITOMO ELECTRIC INTERCONNECT PRODUCTS



## Product Overview:

The SumiMark IV PLUS thermal transfer printer is manufactured for industrial applications and designed to print on both continuous and formatted SumiMark and Sumitag tubing products. The SumiMark IV PLUS is a truly unique system which requires use of SumiMark products to obtain excellent print quality, reliability and optimum ease of use.

## Product Features:

- Integrated cutter for full or partial cutting to custom lengths for maximum cost savings.
- Prints on tubing diameters from 1/16" to 2", in 2:1, 3:1 and 4:1 shrink ratios, providing greatest material flexibility.
- Prints on all tubing colors, including clear and dual wall products.
- Intuitive touch screen panel with pre-loaded operational videos.



### **Sumitag STP-300 BB-E5**

Economical option with small footprint for lower volume, yet high quality printing.

## Product Features:

- Fully compatible with all Sumitag products.
- USB, Wi-Fi and ethernet
- 300 DPI print head



### **Sumitag STP-300 SS-SX**

Ideal for high volume printing on a wide variety of heat shrink products.

## Product Features:

- Fully compatible with SumiMark and Sumitag products.
- USB, Wi-Fi and ethernet
- 300 DPI print head



### **Sumitag STP-300 DS-XT**

The only option for high volume, simultaneous printing on two-sided heat shrink tubing.

## Product Features:

- Fully compatible with all Sumitag products.
- USB, Wi-Fi and ethernet
- 300 DPI print head

# Software



## Product Overview:

Our world-class Sumilabel cable identification software is feature-rich, yet easy to use and developed specifically for cable and harness applications. For use with SumiMark and Sumitag printers and tubing products, Sumilabel allows maximum wirelist flexibility with an intuitive, 3 step, marker creation-to-printing process.

### Data Importing

With our proprietary Sumilabel application, you can easily import existing data using 3 simple methods:

1. Automated Data Import - create a one-time import routine for Excel, .txt, SQL, CSQ or MS Access files located on a networked server. Update files with 1 click.
2. Custom Import - allows you to import Excel files from multiple jobs in one process
3. Excel Drag & Drop - create an entire job with unlimited number of makers by "dragging and dropping" data from Excel directly into Sumilabel within seconds!

## Product Features:

### Integrated Graphics & Barcodes:

With Sumilabel you can add virtually any graphic or logo to labels. No additional graphic software is required.

Plus, choose from a wide range of preloaded 2D barcodes, QR codes or Data

### Multiple Printer Management:

Does your lean manufacturing environment require multiple printers to be dedicated to a specific product? Sumilabel offers you the ability to manage a combination of printer types from one computer.

### Data Serialization & Variables:

Sumilabel various options for sequencing data and creation of custom variables to include job data, dates, times and more.

**Download a FREE  
14 Day Trial at  
[www.sumisupport.com](http://www.sumisupport.com)**



# Consumables



## Product Overview:

Our SM3 line of thermal transfer ribbons have been chosen and tested specifically with the SumiMark® and Sumitag thermal transfer printers and tubing products. These provide optimal print quality and adherence.

## Print Performance:

- Adherence: SAE-AS5942
- Fluid Resistance: Mil-STD-202 Method 215J
- Outgassing: NASA SP-R-0022A

## Product Features:

- Superior resistance to solvents
- Excellent abrasion resistance
- RoHS and REACH compliant
- Black and white standard. Colors available with MOQ.

Description	Color	Sizes Available
SMS Ribbon	Black & White	2" & 3.25"
SM3 Super Ribbon	Black Only	1.5", 2", 3.25"
SM3 HT Ribbon	Black Only	3.25"

# Support

Sumitomo Electric Interconnect Products, Inc. manufactures the highest quality heat shrink products in the industry, so it's no wonder our service sets the same standard. We understand that support after the sale is extremely critical to keeping your business running. That's why we place such high emphasis on ensuring your Sumitomo products are in proper working order when you receive them, then providing immediate solutions to any problems you may encounter along the way. We offer a variety of ways to reach out.



Email

[identification@seipusa.com](mailto:identification@seipusa.com)



Phone

760.761.0600 ext. 203



Website

[www.sumisupport.com](http://www.sumisupport.com)



Remote Desktop

## SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

[www.seipusa.com](http://www.seipusa.com)  
[www.sumitube.com](http://www.sumitube.com)

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