



## HPS High Performance Sleeve 2:1 Shrink Ratio



### Standards:

- SAE-AMS-DTL-23053/5 Rev. A , Class 1
- Meets NSA 937201MR and MT specifications.

### Product Overview:

Military specification, very flexible, highly flame retardant, 2:1 shrink ratio, heat-shrinkable tubing. Flexible polyolefin sleeves used for wire identification and insulation purposes. Markers are supplied roll form in a flattened format on a carrier designed for use with Sumitag™ thermal transfer printers.

### Product Features:

- Print on liner feature for process efficiency.
- Perforated liner fan folds for quick marker referencing.
- Ladder design provides kitting capability.
- Flame-retarded, self-extinguishing.
- Perforation after every sleeve allows for easy sorting.
- RoHS Compliant.
- 1/2", 1" and 2" lengths available.
- Colors—white and yellow as standard. Other colors available.

## SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

915 Armorlite Drive  
San Marcos, CA 92069-1440

t: 800.758.3515  
f: 800.758.3517  
e: [customerservice@seipusa.com](mailto:customerservice@seipusa.com)  
w: [www.seipusa.com](http://www.seipusa.com)



# HPS High Performance Sleeve 2:1 Shrink Ratio

## Technical Specifications:

### Recommended Printer & Ribbon:

|                  |                     |
|------------------|---------------------|
| Sumitag™ Printer | STP-300 BB, SS & DS |
| Ribbon           | SM3 Super Ribbon    |

### Print Performance:

Adherence: SAE-AS5942  
 Fluid Resistance: MIL-STD-202, Method 215J  
 Store in original packaging  
 Recommended temp. at +10°C to 25°C 45-55% R.H.  
 Use within 3 years from date of manufacture

| Property                             | Value           |
|--------------------------------------|-----------------|
| Continuous Operating Temperature     | -55°C to +135°C |
| Shrink Temperature for Full Recovery | +90°C           |
| Longitudinal Change                  | +5% Max         |
| Tensile Strength                     | 10.3 MPa Min    |
| Elongation at Break                  | 200% Min        |
| Secant Modulus                       | 173 MPa Max     |

| Nominal<br>Ø Sup.<br>Inches | Nominal<br>Ø Rec.<br>Inches | Sleeve<br>Length<br>Inches | Markers<br>Across | Markers<br>Per Box | Order<br>Code         |
|-----------------------------|-----------------------------|----------------------------|-------------------|--------------------|-----------------------|
| 3/32                        | 0.046                       | 1/2                        | 4                 | 4,000              | HPS-3/32-2.0-S3-WE-2X |
| 3/32                        | 0.046                       | 1                          | 2                 | 2,000              | HPS-3/32-2.0-S1-WE-2X |
| 3/32                        | 0.046                       | 2                          | 1                 | 1,000              | HPS-3/32-2.0-WE-2X    |
| 1/8                         | 0.062                       | 1/2                        | 4                 | 4,000              | HPS-1/8-2.0-S3-WE-2X  |
| 1/8                         | 0.062                       | 1                          | 2                 | 2,000              | HPS-1/8-2.0-S1-WE-2X  |
| 1/8                         | 0.062                       | 2                          | 1                 | 1,000              | HPS-1/8-2.0-WE-2X     |
| 3/16                        | 0.093                       | 1/2                        | 4                 | 4,000              | HPS-3/16-2.0-S3-WE-2X |
| 3/16                        | 0.093                       | 1                          | 2                 | 2,000              | HPS-3/16-2.0-S1-WE-2X |
| 3/16                        | 0.093                       | 2                          | 1                 | 1,000              | HPS-3/16-2.0-WE-2X    |
| 1/4                         | 0.125                       | 1/2                        | 4                 | 4,000              | HPS-1/4-2.0-S3-WE-2X  |
| 1/4                         | 0.125                       | 1                          | 2                 | 2,000              | HPS-1/4-2.0-S1-WE-2X  |
| 1/4                         | 0.125                       | 2                          | 1                 | 1,000              | HPS-1/4-2.0-WE-2X     |
| 3/8                         | 0.187                       | 1/2                        | 4                 | 2,000              | HPS-3/8-2.0-S3-WE-2X  |
| 3/8                         | 0.187                       | 1                          | 2                 | 1,000              | HPS-3/8-2.0-S1-WE-2X  |
| 3/8                         | 0.187                       | 2                          | 1                 | 500                | HPS-3/8-2.0-WE-2X     |
| 1/2                         | 0.250                       | 1/2                        | 4                 | 2,000              | HPS-1/2-2.0-S3-WE-2X  |
| 1/2                         | 0.250                       | 1                          | 2                 | 1,000              | HPS-1/2-2.0-S1-WE-2X  |
| 1/2                         | 0.250                       | 2                          | 1                 | 500                | HPS-1/2-2.0-WE-2X     |
| 3/4                         | 0.375                       | 1/2                        | 4                 | 2,000              | HPS-3/4-2.0-S3-WE-2X  |
| 3/4                         | 0.375                       | 1                          | 2                 | 1,000              | HPS-3/4-2.0-S1-WE-2X  |
| 3/4                         | 0.375                       | 2                          | 1                 | 500                | HPS-3/4-2.0-WE-2X     |
| 1                           | 0.500                       | 1                          | 2                 | 600                | HPS-1-2.0-S1-WE-2X    |
| 1                           | 0.500                       | 2                          | 1                 | 300                | HPS-1-2.0-WE-2X       |
| 1.5                         | 0.75                        | 2                          | 1                 | 100                | HPS-1-2.0-WE-2X       |